

PROJECT PROPOSAL

COLLABORATION RESEARCH BETWEEN ASIA, EUROPE AND CANADA

RESEARCH TITLE

**VCDLN AS COMMUNICATION STRATEGY AI
INDUSTRY FOR SUPPORTING ACHIEVEMENT SDG'S**

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PROPOSAL IDENTITY

Project name : VCDLN As Communication Strategy AI Industry For Supporting Achievement of SDG'S

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Scheme : Internasional Collaboration

Project budget : IDR. 375.000.000

1. PROPOSAL SUMMARY

The development and utilization of VCDLN products have been successful in Indonesia, Japan, and Korea through Experts from Bordeaux France. Furthermore, research from 2025 to 2026 will build a Digital Innovation Center for the Development of VCDLN Robots (DCIRV) based on Artificial Intelligence to strengthen and expand future innovation. So the focus of this research will include DCIRV Network Updates to the VCDLN Database Center and API (Application Programming Interface); Content Recommendation Chatbot and Localization through support Industry for SDG's. Thus, the method that will be used is the ADDIE model (Analysis, Design, Development, Implementation, and Evaluation). The location where DCIRV will be developed is at the Indonesian Smart Robot International Center on the Regional Campus UPI Cibiru as Host of this Research, Laboratorium Study Program of Educational Technology Universitas Negeri Malang as partner-1 and Laboratorium Study Program of Educational Technology Universitas Negeri Jakarta as partner-2 . To ensure the quality of research products which include prototypes, automation systems, content development, and other delivery systems, they will be supported by experts from Bordeaux, and user samples student and teacher from Quebec University Montreal , Anhui Normal University, NDHU, McGill, PUJ Colombia, and UNVM Argentina. Research products, both the DCIRV Robotics system and the resulting content products, will become learning resources that have the power of modern pentahelix learning resources in supporting mobile open and distance learning services more broadly, VCDLN as Communication Strategy AI Industry For Going up SDG's.

2. INTRODUCTION

2.1 Research Background

Innovation products must not be stopped due to regulations and changes in institutional systems, but innovation products such as VCDLN must continue to provide benefits. In the era of the digitalization shift which is more focused on utilizing products and ideas that are currently viral, namely Artificial Intelligence, in 2023 VCDLN was able to adjust its framework through the contribution of ideas from experts from Bordeaux University, France. [1]. On behalf of Reaad Map research, should be continued through VCDLN as Communication Strategy AI Industry For Going up SDG's.

One of the updates in terms of systems, services and VCDLN content production which already has multi-platform usage has now gathered around 7846 productive educators. The content being managed totals 5879 contents covering all levels of education. Intellectual property in the field of open digital learning education services requires central support from learning resources and a more modern service system. The modernity aspect of the development of digital learning centers is not so much developed but is built based on continental regions, such as Magma Learning

which represents European countries, then Liquid Learning [2] which represents the Asia Pacific region, and of course, VCDLN (2021) which represents Southeast Asia, Korea and Japan. Thus, the existence of the VCDLN innovation has begun its development by utilizing the advantages of Artificial Intelligence [3], it will be accommodated in the form of an Innovation Center that applies intelligent Indonesian Robotics engineering. Several studies that will strengthen the background of VCDLN-Robotics with the support of Artificial Intelligence will bring success to the Indonesian University of Education in providing Hybrid Learning services with the strength of the Digital Innovation Center Robotic VCDLN (DICRV) Institute.

By reflecting on institutionalized digital innovation at the international level, it is very important to support the quality of universities, of course development research in this case must continue to be carried out. As one of the strengths of an international institution like Luquid, it has also developed on the European continent, driven by [4]. Named Magma Learning. Of course, it is an international institution that accommodates and manages the products of world innovators. It is time for Indonesia through UPI to be able to develop further through VCDLN. This feature involves creating a central database to store all data related to the VCDLN platform and other information. This database is designed to be accessible through various user interfaces (User Interface) with the implementation of API. The use of API allows for greater data transactions in the application, making the data management process more efficient and integrated. In addition, by updating the central database and having created an API, it makes it easier if there is a VCDLN platform Handover program.

This feature allows users to receive learning content recommendations according to the instructions provide for communication strategic industry. By utilizing Artificial Intelligence (AI) technology and Natural Language Processing (NLP) algorithms, this chatbot is able to understand user requests and recommend relevant material bundles that are in accordance with user preferences. This feature allows users to receive learning content recommendations according to the instructions they provide. By utilizing Artificial Intelligence (AI) technology and Natural Language Processing (NLP) algorithms, this chatbot is able to understand user requests and recommend relevant material bundles that are in accordance with user preferences.

Where the VCDLN of the future has been infused with both systems, digital governance, and the expansion of networking using a frame work from Artificial Intelligence. Moreover, VCDLN has 3 years of experience in building extraordinary systems, networks, content and dissemination, so for the next 4 years it is targeted to become the strength of DCIRV which has international networking. Based on this background, several objectives of this research include:

- 1) Developing VCDLN prototype as strategic communication AI for updates to the API (Application Programming Interface for Communication);
- 2) Developing the Digital Central Innovation for Robotic VCDLN Prototype with support from AI Chatbot Communication Strategy;
- 3) Developing an AI-based Digital Central Innovation for Industry Robotics as technology communication strategy in filed area of SDG's;
- 4) Review and evaluation of Communication Strategy through AI Industry for goin up SDG's Indikator Target in Euro, Asia, and Canada.

In accordance with the presence of foreign partners from the company PT. Tchain from Korea as a long-standing partner also includes the Yandex Company from Russia, in 2024- now with PT.

IKB (Installations Artificial Intelligence) so this research is also supported by the Laboratory from Bordeaux University and Letter Agreement research from UQAM Canada. In this way, it is hoped that it will be able to strengthen support for the success of this research which will produce the following products: (1) Prototype Digital Central Innovation for Robotic VCDLN (DCIRV); (2) European-Canadian Expert Review Document on Digital Central Innovation for Robotic VCDLN (DCIRV) Prototype; (3) AI-Based Digital Central Innovation for Robotic VCDLN (DCIRV) Manual Book; (4) Journal Publication Articles Indexed by Scopus Q2 and; (5) Developing a VCDLN-Learning robot based on Mobile IOS; (6) Monography book on Digital Central Innovation for Robotic VCDLN Based on Artificial Intelligence.

2.2 Research Purpose

Based on the background above, the objectives of this research include:

- 1) How to develop a VCDLN prototype as a strategic communication AI for API (Application Programming Interface for Communication) updates?
- 2) How to develop a Digital Innovation Center for VCDLN Robotics Prototypes supported by an Industry AI Communication Strategy for the SDGs?
- 3) How to develop an Industry AI-based communication strategy innovation for the success of the SDGs in various fields?
- 5) How to review and evaluate communication strategies through a multi-platform Industry AI platform to support the success of the 17 SDG indicators?

3. LITERATURE REVIEW

3.1 Quality Control of VCDLN-AI Industry

From this series of regulations, the authors still remember the milestones that have been described in the following chart.

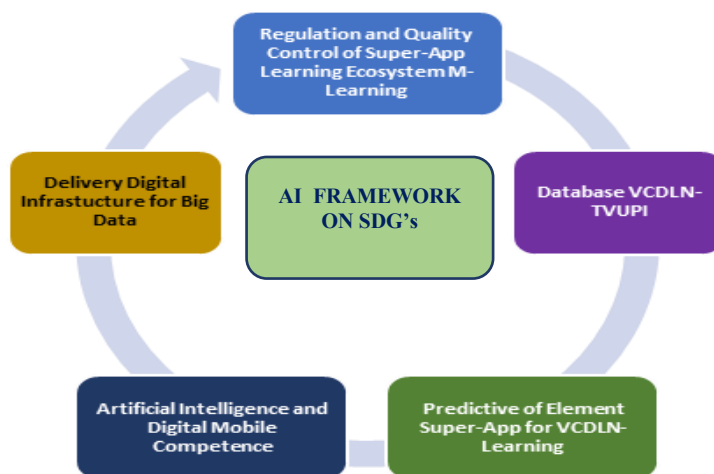


Figure 1 Milestones Strategic Communication Through AI Industry VCDLN For SDG's Target

Innovation and learning services with the VCDLN multiplatform, which have been built 3 years ago, have become the core business for partners and central innovation, including at the Cibiru Campus. From these best practices, to ensure the continuity of innovation and dissemination, a number of policy and scientific foundations have become a force in producing new innovations as developed in research in 2024 regarding DCIRV. Especially those that strengthen the application aspects of how Artificial Intelligence works[7] in the education and learning service products produced.

3.2 Robotics Based on AI Industry

Robotics is a branch of engineering and computer science that involves the conception, design, manufacture and operation of robots. The objective of the robotics field is to create intelligent machines that can assist humans in a variety of ways. Robotics can take on a number of forms. A robot might resemble a human or be in the form of a robotic application, such as robotic process automation, which simulates how humans engage with software to perform repetitive, rules-based tasks. While the field of robotics and exploration of the potential uses and functionality of robots has grown substantially in the 21st century, the idea certainly isn't new. (Kinza Yasar, 2023). The Robotics work system that will be adopted in this research product leads to the development of a working system for the player robot chatbot product on IOS for practitioners, educators, and students.

Some important elements in the implementation of Robotics AI can be analyzed in a flashback regarding several terms and objects or target subjects that we often call and use in educational practice. For example, the terms software, hardware, brain ware, and environmental ware. Likewise, in the analysis, a new concept or model may soon be put into practice in the paradigm of system service implementation and education and learning communication strategy which the author named Robotics Based on AI. This purpose was supported [6]. Where the results of the analysis of these elements can be seen in the following chart. There are several important components in developing a robotics system in the Robotics AI speed service flow which is integrated with a number of IOS mobile phone system s[8] as a stage for improving the Mobile Learning Blended service. This product has been the main stage for 3 years before marketing with partners to touch various parties and various regions in Indonesia.

3.3 Artificial Intelligence in the Context of Communication Strategy

The concept of what defines Artificial Intelligence (AI) has changed over time, but at its core has always been the idea of creating machines capable of thinking like humans [3]. AI is uniquely able to interpret the world around us and use the information we take in to make changes. So AI can help humans do this more efficiently, and AI can be thought of as simulating the capacity for abstract, creative, deductive thinking and especially the ability to learn using digital, binary computer logic [3]. Thus, the application of AI in this research will relate to how the database system, access, and selection of appropriate learning content for educators and students are assisted quickly by AI. Where the form of application that will be developed is in the form of Mobile IOS as communications strategy to access content from online databases <http://vcdln-tvupi.com> maupun dari <http://vcdlnlearning.com>.

Generalized AI goes a little further – to perform a complete simulation of the human brain would require a more complete understanding of the organ than we currently have, and more computing power than is generally available to researchers. But that probably won't be for long, considering the speed at which computer technology is developing. A new generation of computer chip technology known as neuromorphic processors is being designed to run brain simulator code more efficiently. Systems such as IBM's Watson cognitive computing platform [3], uses high-level simulations of human neurological processes to perform an ever-expanding variety of tasks without being specifically taught how to do them. In its application for this research it will be used to create a simulator.

4. RESEARCH METHODOLOGY

4.1 Time and Place

The research will be carried out for 10 working months, from the preparation stage to the reporting stage. The research will be conducted in four countries, Indonesia, Taiwan and Bordeaux, and Canada (the communication may be online or luring). The data from Taiwan is going to be the basic of the development while it modified to System and Content Develop for DCIRV Based on AI as well. The designing stage of System and Content Develop for DCIRV Based on AI will be developed between all researchers with NDHU Taiwan, Anhui Normal University China and Bordeaux University and Yandex , PT. Installations Artificial Intelligence, and Quebec University Montreal Canada. To obtain quality during the implementation of this learning service, service quality and access speed control of the System and Content Develop for DCIRV Based on AI through Android IOS Mobile is carried out through an Artificial Intelligence approach by an Expert.

4.2 Research Method

The research method is used as a plan for how a study is carried out. To be able to answer all the research problem formulations, a Research & Development (R&D) research or research methodology is often called. Research and development methods are research methods used to produce certain products and test the effectiveness of these products [12]. This research will be done with a mixed method procedure [13] to evaluate all implementation programs, however, there are some additions and grouping that make it as seen in the figure below.

4.3 Research Instrument

The research instrument in the form of questionnaire and test are used in this study. The purpose of this questionnaire is to get feedback and opinions from the research subject will be collected through FGD and the expert, in terms of user satisfaction and effectiveness of “During System, Content, and Prototife of DCIRV and Manual using guide for all educator, student and practices.”

4.4 Research Subject

The study was conducted with research subjects divided into two groups, namely educators, students and expert teams. The expert team is an expert in the field of multimedia, education and Artificial Intelligence from Bordeaux University-France, University of Quebec Montreal Canada, NDHU University Taiwan. In this study the expert are some selected lecturer from Gokugei University, Tokyo Metropolitan, Tchain Expert Industry from South Korea, Yandex, Industry of Installations Artificial Intelligence, and UPI.

The subjects of the study are teacher professional from 5 districts (Kalimantan Timur, Denpasar, Ruteng, Sukabumi, Garut), teacher delegation from NDHU Taiwan, and Anhui Normal University China. Sample selection is done purposive sampling. Creswell (2015, pp. 607-608) suggests that in Qualitative researchers can use existing distance learning VCDLN-Learning Based on Artificial Intelligence through Digital Centre Innovation of VCDLN Robotics. For analysis, The quantitative data from teacher samples from 5 districts will be using the Path Analysis Diagram [14];[15].

4.5 Research Project at Partner 1- Universitas Negeri Malang, Indonesia

At Universitas Negeri Malang, the research process is focused on the production of multimedia content (video, audio, animation) for the product strategic communication for SDG's, which is intended to build a community of Android and Appstore users. The production process follows the Survey, starting with the analysis of content needs at various levels of education, the development of treatments and synopses, to the preparation of learning plans and production flowcharts. Furthermore, a storyboard model is developed and a trial upload is carried out to the Robot Industry AI system using the feasibility test technique. The stages of production of this learning content involve taking samples from elementary to tertiary education levels. All stages of content production are carried out at the Educational Technology Laboratory of the University of Malang. The feasibility test of the system, including the content produced, will be carried out at the MICA Laboratory in Bordeaux, France, in collaboration with international partners. The method of testing the feasibility of this product interconnection system involves two main stages. First, an internal feasibility test is carried out at the Educational Technology Laboratory of the University of Malang to ensure the technical and pedagogical aspects of the learning content. Second, an external feasibility test will be carried out at the MICA Laboratory in Bordeaux, France, involving experts from various fields to evaluate the quality and effectiveness of the overall product interconnection system for of SDG's Indicators Target.

4.6 Research Project at Partner 2- Universidad Iberoamericana, Mexico

For the global mass testing phase, this research involves international collaboration with the Université de Bordeaux, France. Three researchers from Indonesia will travel to Mexico University to conduct comprehensive testing of the system, application, database resilience, and product usability in a Mexico environment. This testing aims to validate the performance and effectiveness of the product in different geographical and cultural contexts, and ensure the product is ready to be launched globally. The research methods at this stage will include various approaches, such as functional testing to ensure all system and application features work properly, performance testing to measure system speed and efficiency, security testing to identify and address potential vulnerabilities, and usability testing to evaluate ease of use and user satisfaction. Data collected during testing will be analyzed quantitatively and qualitatively to provide a complete picture of the quality and usability of the product. The results of this testing will be the basis for final product refinement before being launched widely of SDG's Indicators Target.

4.7 Research Project at Partner 3- Bordeaux University, France

For the global mass testing phase, this research involves international collaboration with the Université de Bordeaux, France. Three researchers from Indonesia will travel to Bordeaux to conduct comprehensive testing of the system, application, database resilience, and product usability in a European environment. This testing aims to validate the performance and effectiveness of the product in different geographical and cultural contexts, and ensure the product is ready to be launched globally. The research methods at this stage will include various approaches, such as functional testing to ensure all system and application features work properly, performance testing to measure system speed and efficiency, security testing to identify and address potential vulnerabilities, and usability testing to evaluate ease of use and user satisfaction. Data collected during testing will be analyzed quantitatively and qualitatively to provide a complete picture of the quality and usability of the product. The results of this testing will be the basis for final product refinement before being launched widely of SDG's Indicators Target.

4.8 Research Project at Partner 4- UQAM, Canada

For the global mass testing phase, this research involves international collaboration with the University of Quebec Montral (UQAM) . Three researchers from Indonesia will travel to UQAM to conduct comprehensive testing of the system, application, database resilience, and product usability in a Canada environment. This testing aims to validate the performance and effectiveness of the product in different geographical and cultural contexts, and ensure the product is ready to be launched globally. The research methods at this stage will include various approaches, such as functional testing to ensure all system and application features work properly, performance testing to measure system speed and efficiency, security testing to identify and address potential vulnerabilities, and usability testing to evaluate ease of use and user satisfaction. Data collected during testing will be analyzed quantitatively and qualitatively to provide a complete picture of the quality and usability of the product. The results of this testing will be the basis for final product refinement before being launched widely of SDG's Indicators Target.

4.9 Research Project at Partner 5- UIN Syarif Hidayatulloh Jakarta, Indonesia

This research method involves a series of validations to ensure the quality and effectiveness of Robot Industry content developed in various formats (video, audio, animation, podcast). Expert validation is carried out by involving media experts and material experts. Media experts will evaluate the technical and aesthetic aspects of the content, such as visual quality, audio, and interactive design. Material experts will assess the accuracy, depth, and suitability of the material to the learning objectives. In addition, user feasibility and practicality tests are carried out to measure the ease of use, usefulness, and attractiveness of the content for target users.

This validation process also includes a Focus Group Discussion (FGD) with user partners. FGD aims to collect direct feedback from potential users regarding Robot Industry content. This feedback will be used to refine the content and ensure its relevance to user needs. In addition, FGD also serves as a means to promote and market the developed products, build awareness and interest

in Robot industry. The entire validation process was carried out at the Educational Technology of the State UIN Jakarta. The academic environment and facilities available at this university support the implementation of comprehensive and structured validation. The validation results will form the basis for continuous improvement of Industry robot content, ensuring that the products produced are of high quality, relevant, and effective in supporting learning for going up of SDG's Indicators Target.

5. RESEARCH TARGET INDICATORS

No	Indikator	Number	Remarks
1	Research output	4	<ol style="list-style-type: none"> 1. Host (UPI): One article in the International Education and Information Technologies Journal (Springer) Q1, SSCI, IF 4.8, H-Index 76 2. Partner 1 (UM): One article in the International Journal of Artificial Intelligence in Education (Springer) Q1, ESCI, IF 4.7, H-Index 62 3. Partner 1,2,3,4,5,6,7,: One article in the Distance Education (Routledge) Q1, SSCI, IF 3.7, H-Index 69
2	Outcome	3	<ol style="list-style-type: none"> 1. This research can increase the quantity and quality in reputable journals and have an impact factor on each research institution and industry. 2. The results of the research can be a source of reference for relevant research. 3. The results of the research can be used as a consideration for compiling district/city government policies on relevant dimensions in SDG's Indicators.
3	Peer Guidance	2	
4	International networking	3	<ol style="list-style-type: none"> 1. This research is in line with the collaborative research plan that has been signed by the main researcher from UPI with the partner university which has been running for 2 years previously, namely from all Research Team; 2. In addition, for experts and samples of potential product users, this is also in line with the collaboration that has been carried out with partners from all university research members..

6. RESEARCH SCHEDULE

This research is to be done from 2 until 10 Mont in 2026, the schedule showed in the table 1.

Table 1. Research Schedule 2026th

No	Activity	Month														
		1	2	3	4	5	6	7	8	9	10	11	12			
1	Analysis and data collection for Develop Strategic Communication Based on AI Industry and Mobile IOS and Android Player through API for All target of SDG's..	■	■													
2	Design Central of Strategic COmmunication Based on AI Industry and Mobile IOS and Android Player Studi for Implementation all SDG's Program.			■	■											
3	Development System and Content for STrategic communication Based on AI Industry and Mobile IOS and Android Player in all University research members.					■	■	■								
4	Implementation and Evaluation Program of Strategi communication Based on Robotics AI Industry and Mobile IOS and Android Player in 5 Nusantara, Asia, Euro and Canada.								■							
5	Progress Report									■						
6	Final Report and Publication										■	■	■			

8. ROADMAP OF DIGITAL CENTER INNOVATION COMMUNICATION STRATEGIC BASED ON ROBOTICS AI INDUSTRY

Where a form of Strategic communication implementation in the context of the realization of this new normal condition, will allow Mobile Blended Learning based on IOS to be carried out from SGD's program. Of course, this Blended Learning was regulated 3 years ago in the Regulation of the Directorate of Higher Education Research and Technology No. 51 of 2020. Thus the New Normal regulation is basically an indirect form of education and learning policies with face-to-face and Distance Learning with digital systems, especially through Mobile IOS. As in the past 10 months, we feel that the practice of education is building a virtual network for the future needed for the Digital Central Innovation VCDLN in Central UPI. Researchers remember from one of the data source regarding the level of digital skills or literacy owned by the millennial generation or the Z-generation, where they were able to design digital Strategic communication system lines in a number of universities [10].

To provide clarity regarding this series of research to build Strategic communication for 2024-2029, the following is an image of the research roadmap for multi-year sustainability which is referred to as showed in the Figure 5. This research plan refers to the master plan of research of the Indonesian Education University. The details of this research plan are as presented in Figure 5.

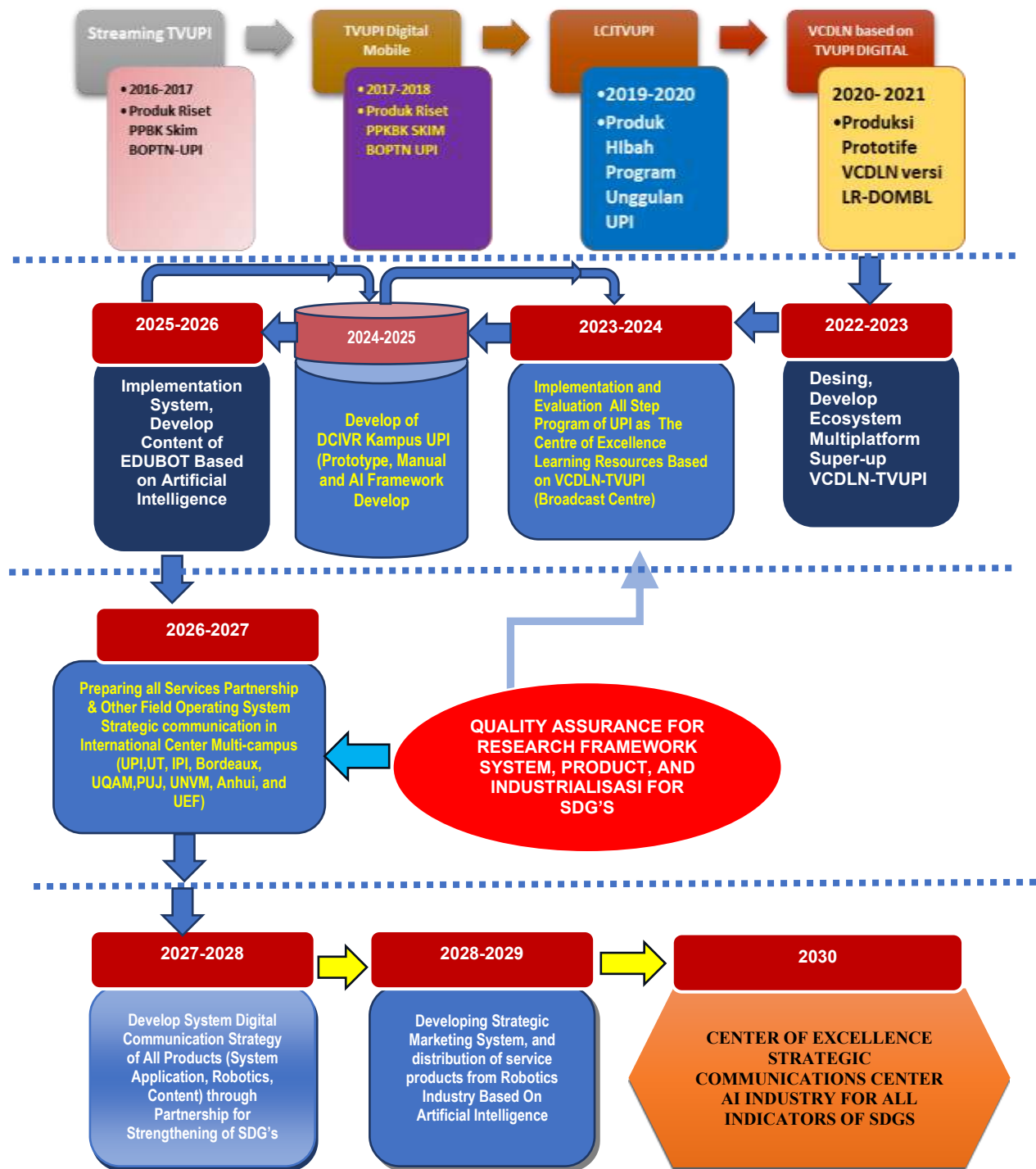


Figure .1 Roadmap Research Strategic Communication Based On AI Industry To Achieve SDG's Success

9. PROPOSED RESEARCH BUDGET

Table. 1 Budget Plan Collaboration Research of Strategic communication based on AI Industry for SDG's Target in Asia, Europe and Canada

No.	Budget Plan	Volume	Unit	Budget per Item (IDR)	Total IDR
1	Writing Research Proposal Research collaboration about developing the Strategic communication based on AI industry for SDG's Target	1	Package	IDR 545,000	IDR 545,000
2	Revision Proposal Research collaboration for developing the Strategic communication based on AI industry for SDG's Target	1	Package	IDR 285,000	IDR 285,000
3	Construction of Interconnction of Research collaboration for developing the Strategic communication based on AI industry for SDG's Target	1	Package	IDR 1,224,000	IDR 1,224,000
4	Shopping for Stationery and Consumables Research	1	Package	IDR 4,286,000	IDR 4,286,000
5	Shop for Equipment and Consumables Research	1	Package	IDR 5,910,000	IDR 5,910,000
6	Analysis of System and Content for Research collaboration for developing the Strategic communication based on AI industry for SDG's Target.	1	Package	IDR 750,000	IDR 750,000
7	Analysis of Application System and Content for Mobile IOS for Robotics AI Industry.	1	Package	IDR 750,000	IDR 750,000
8	Design of System and Content for Digital Centre Innovation of Robotics Industry based on AI fro SDG's	1	Package	IDR 850,000	IDR 850,000
9	Design of Application System and Content for Mobile IOS for Robotics Industry to support SDG's Target	1	Package	IDR 850,000	IDR 850,000
10	Develop of System and Content Information Notification for Digital Centre Innovation of Robotics AI Industry	1	Package	IDR 900,000	IDR 900,000
11	Develop of Application System and	1	Package	IDR 900,000	IDR 900,000

	Content and Information Notification for Mobile IOS and Android for Robotics Industry Based on AI				
12	Implementation of System and Content Information Notification for Digital Centre Innovation of Stratgic communication.	1	Package	IDR 1,150,000	IDR 1,150,000
13	Implementation of Application System and Content for Mobile IOS and Android for Robotics Industry based on AI for SDG's Target.	1	Package	IDR 1,150,000	IDR 1,150,000
14	Generate content and Information Notification Design from Database Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 1,150,000	IDR 1,150,000
15	Generate contentnand Information Notification Design from Database Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 1,150,000	IDR 1,150,000
16	Review Content and Information Notification Design from Digital Centre Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 850,000	Rp 850,000
17	Review Content and Information Strategy Communcation Notification Design from Mobile IOS and Android for Robotics VCDLN Based on AI	1	Package	IDR 850,000	IDR 850,000
18	Evaluation of User friendly of Information notification System and Content from Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 850,000	IDR 850,000
19	Evaluation of User friendly of all System and from Mobile IOS and Anroid for Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 850,000	IDR 850,000
20	Quality Control Product of Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 1,200,000	IDR 1,200,000
21	Quality Control Product of Strategi Communication model for Digital Centre	1	Package	IDR 1,200,000	IDR 1,200,000

	Innovation of SDG's Target.in Cirebon (Luring)				
22	Quality Control Product of Interconnection Strategi Communication for Digital Centre Innovation of SDG's Target. (online)	1	Package	IDR 1,200,000	IDR 1,200,000
23	Quality Control Product of Interconnection Strategi Communication for Digital Centre Innovation of SDG's Target. (Luring)	1	Package	IDR 4,000,000	IDR 4,000,000
24	Quality Control Product of Interconnection Strategi Communication for Digital Centre Innovation of SDG's Target.online)	1	Package	IDR 750,000	IDR 750,000
25	Progress Report	1	Package	IDR 450,000	IDR 450,000
26	Review and Diseminnation Research Product with Expert from Yandex Moscow-Rusia (Online)	1	Package	IDR 1,250,000	IDR 1,250,000
27	Review and Diseminnation Research Product with Expert from PT. IKB (Online)	1	Package	IDR 750,000	IDR 750,000
28	Review and Diseminnation Research Product Strategi Communications for Digital Centre Innovation of SDG's Target. (Online)	1	Package	IDR 750,000	IDR 750,000
29	Desain Database Central Studio Mobile Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 500,000	IDR 500,000
30	Research Support from Student of Software Engineering Study Program UPI	1	Package	IDR 500,000	IDR 500,000
31	Research Support from Student of Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 500,000	IDR 500,000
32	Research Support from Student of Post Strategi Communication for Digital Centre Innovation of SDG's Target.	1	Package	IDR 500,000	IDR 500,000
33	Translation and Proof Reading Artikel Jurnal Internasional SCOPUS Q1	1	Package	IDR 1,500,000	IDR 1,500,000
34	Writing and Production of Monographi Application Mobile IOS for Robotics Based on AI for Strategy Communication	1	Package	IDR 3,000,000	IDR 3,000,000

	dan Digital Centre Innovation of SDG's Target.				
35	Intellectual Property of Digital Centre Innovation of Strategy Communication based on AI Industry for Digital Centre Innovation .	1	Package	IDR 500,000	IDR 500,000
36	Intellectual Property of Application Mobile IOS for Strategy Communication based on AI Industry for Digital Centre Innovation .	1	Package	IDR 500,000	IDR 500,000
37	Artificial Intelligence Experts from the UQAM	1	Package	IDR 10,000,000	IDR 10,000,000
38	International Conference and FGD in Bordeaux -France	1	Package	IDR 30,000,000	IDR 30,000,000
39	International Conference and FGD in Singapur with Mexico University	1	Package	IDR 15,000,000	IDR 15,000,000
40	Business Trip to Malang for FGD research project	4	Days	IDR 3,000,000	IDR 12,000,000
41	Business Trip to Jakarta for FGD research project	4	Days	IDR 3,000,000	IDR 12,000,000
42	International Journal Fee Publication	1	Package	IDR 25,000,000	IDR 25,000,000
43	Final Report	1	Package	IDR 1,700,000	IDR 1,700,000

44	Analysis of Strategy Communication based on AI Industry for SDG's Indicators	1	Package	IDR 2,500,000.00	IDR 2,500,000.00
45	FGD with school teachers in Malang	1	Package	IDR 5,000,000.00	IDR 5,000,000.00
46	FGD with content designers	1	Package	IDR 4,000,000.00	IDR 4,000,000.00
47	FGD with content makers	1	Package	IDR 4,000,000.00	IDR 4,000,000.00
48	Development of 3 content packages in elementary, junior high, and high schools	3	Package	IDR 5,000,000.00	IDR 15,000,000.00

49	Business trip to the education office in Malang City	1	Day	IDR 1,000,000.00	IDR 1,000,000.00
49	Business trip for FGD with Host in Bandung	3	Days	IDR 1,000,000.00	IDR 3,000,000.00
50	Business trip for FGD with partners in Malang	3	Days	IDR 1,000,000.00	IDR 3,000,000.00
51	Data analysis	1	Package	IDR 3,000,000.00	IDR 3,000,000.00
52	Report in mass media	1	Package	Rp 1,000,000.00	Rp 1,000,000.00
53	Final report	1	Package	Rp 1,000,000.00	Rp 1,000,000.00
54	Translate and profread article draft	30	Pages	Rp 250,000.00	Rp 7,500,000.00
55	Article processing charge for the reseach output	1	Package	Rp 25,000,000.00	Rp 25,000,000.00

56	Development of content quality test instruments in Malang	1	Package	Rp 2,500,000.00	Rp 2,500,000.00
57	Validation of content instruments	4	Package	Rp 2,000,000.00	Rp 8,000,000.00
58	FGD with content usage for quality testing	1	Package	Rp 10,000,000.00	Rp 10,000,000.00
59	Validation of strategic communications based on AI Industry with experts	5	Validato rs	Rp 2,000,000.00	Rp 10,000,000.00
60	Update Central of Communication Strategy for support the SDG's	1	Package	Rp 10,000,000.00	Rp 10,000,000.00
61	Reports in mass media	2	Package	Rp 1,000,000.00	Rp 2,000,000.00
62	Data analysis	1	Package	Rp 5,000,000.00	Rp 5,000,000.00
63	Translation and proofreading of article output	30	Pages	Rp 250,000.00	Rp 7,500,000.00

64	Final report	1	Package	Rp 5,000,000.00	Rp 5,000,000.00
85	Publication costs to international journals Q1	1	Package	Rp 35,000,000.00	Rp 35,000,000.00
86	Business trip to France for testing tools and media in the lab	3	Package	Rp20,000,000	Rp60,000,000
87	Attending an international conference	3	Package	Rp5,000,000	Rp15,000,000
	Total				IDR395,000,000.00

10. RESEARCH TEAM

a. Curriculum Vitae of Chief Researcher



DENI DARMAWAN

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Institutional email address: deni_darmawan@upi.edu; Personal email address: diestry2005@yahoo.com.

Scopus ID: 5686611960 Universitas Pendidikan Indonesia, Indonesia

<https://www.scopus.com/results/authorNamesList.uri?sort=co>
unt ORCID ID: <https://orcid.org/0000-0002-5515-9217>

Web of Science Researcher ID: [M-3356-2019](https://orcid.org/0000-0002-5515-9217)

Google Scholar: <https://scholar.google.com/citations?user=u6-T17QAAAAJ&hl=en>

Scientist Rank of Indonesia: <http://webometrics.info/en/node/96>

ResearchGate: https://www.researchgate.net/profile/Deni_Darmawan/stats

Date of birth: November 28, 1971. NATIONALITY: Indonesian. Education: 1997, BE. (Bachelor of Education) degree in the Educational Technology Department of IKIP Bandung. 2001, M.Sc. (Master of Science) degree in Communication Science, the Management System Information Technology concentration of PT. Telkom Learning Centre. Padjajaran University, Bandung. 2005, Philosophy of Doctor in Communication Science, Concentration of Information Technology for Accelerated Learning,

Padjajaran University, Bandung. 2014, a Short course about Quality Assurance on ICT development for Higher Education, Supported by AAF (Australia Award Fellowship); In 2022, get a Master's Degree in Computers with expertise in Information Systems Engineering (M.Com) at LIKMI Bandung.

A. JOURNAL REVIEWER EXPERIENCE:

- (1) As a Journal Editors and Reviewers Edu-Tech First edition, of 2000 to the present Department of Curriculum and Education;
- (2) As a Reviewer journal communication of UNPAD (Ministry of Higher Education and Technology), 2017 until now;
- (3) As a reviewer on International Journal Science Publications (Scopus Indexing), 2016 until now;
- (4) As a reviewer on International Journal Inter-Science Publisher (Scopus); 2016 until now; A reviewer on Journal Computer Science (2016 until now);
- (5) Conduct of Indonesia Journal Association, 2015 until now;
- (6) As a reviewer on E-journal Sciep- the USA, 2015 until now;
- (7) As a reviewer on E-journal Cognitive Sciences, England, 2014 until now;
- (8) As a reviewer on E-journal IJAIR dan JCT,- India, 2013 until now;
- (9) As a Chef Editor on Edutech Journal: <http://Ejournal.upi.edu/Edutech>, 2000 until now;
- (10) As a Journal Manager of the journal Pedagogia, <http://ejournal.upi.edu/Pedagogia> (2013-2018);
- (11) As a Journal Manager of JTEP, [http://e- teknologipembelajaran.org](http://e-teknologipembelajaran.org), (2017-Now);
- (12) Editorial Board of e-Journal Mimbar, accreditation by Ministry of Hinger Education and Technology (2013-now);
- (13) As a reviewer on the Ministry Education and Culture journal of the Republic of Indonesia, (2014-Now).
Hi, 33 and i10: 93 and citation 3306 at Google Scholar and Score 1313,5 on Sinta Indexing, Scopus document 6, dan Ranking 216 on Scientist Rank of Indonesia;
- (14) Aa a reviewer in Wiley Publication Journal (2018);
- (15) As a reviewer in Advances Science, Technology and Engineering Systems Journal reviewer. (2019).
- (16) As a Reviewer in the International Computer Science journal (2017-Now)

B. BOOK REVIEWER EXPERIENCE :

- (1) Editing the book "Military Communications" Publish-Main Page;
- (2) Editor of "Organizing State Government Organizational Leadership" LAN-RI;
- (3) Editor of the book "Intercultural Communication in Military Perspective" YAF Publish;
- (4) Edited book "Military Communications Strategy" Arum Independent Press;

- (5) Edited book "Communications Planning" Arum Independent Press;
- (6) Edited book "Behavior Communication Conflict" Arum-Mandiri Press;
- (7) Book Editor "Military Communications Philosophy" YAF Publish;
- (8) Book reviewer "Introduction to Communication" Arum Independent Press;
- (9) Book Reviewer "Brain-Based Learning ICT Communication" Humanities IPS module for Education Cooperation Program PMPTK PJJPGSD S1-SEAMOLEC SEAMOLEC-PMPTK;
- (10) Functional training Reviewers Teaching materials Metrology, January 15 Training Centre' Metrology; (11) Edited Book Reviewer high school ICT Subject Information and Communication Technology with as many as nine books and Books Centre BSNP National Center National Books;
- (12) Editor Book "Exploring Research Methodology" Arum Independent Press;
- (13) Book Reviewer "Military Communications" author Dr. Suprawito. Arum Mandiri Press;
- (14) Reviewer Module "Basic Information and Communication Technology UPI Press;
- (15) Reviewer GBPP and SAP Extracurricular Compulsory Semester I and II, Faculty of Education;
- (16) Management IPDN administration, December 3 IPDN, Faculty of Management and Governance;
- (17) Reviewer SAP and the course syllabus and I Semester II, Faculty of Management environment IPDN Administration, Management Faculty Governance;
- (18) Editor Book 1 of the seventh grade ICT Word Processing Program (Basic & Junior School Department Cooperation with the Research UPI);
- (19) ICT Books Editor of the junior class 2 Processing Program number (Ministry of Education and Culture Cooperation with the Research UPI);
- (20) ICT Books Editor of the junior class 3 Introduction to the Internet (Ministry of Education and Culture Cooperation with the Research UPI);
- (21) Designing CBT Through A Structured Approach For Acceptance Of New Students In Higher Education, p119. ISBN978- 602-73030-1-0, Postgraduate Program, Universitas Negeri Jakarta.

C. INTERNATIONAL TRAINING AND AWARD

The Experience of International and National Level Training and Awards:

- 1) Quality Assurance for Higher Education (Australia Awards Fellowship), 2014. (AusAID Project at Flinders University, Adelaide University, and Monash University);
- 2) Managing and Integrating data Information for Higher Education (HELM- AUSAID Project), 2014-2015;
- 3) Database Information Lesson Plan online of Educational Technology Department. UPI. 2004. (Trainer);
- 4) Information Research on Intelligence Information Training for Lembaga Informasi Nasional (LIN) for building Database Security. Jakarta, December 3-6, 2003th,(Trainer);
- 5) Training of empowering of community participation (DBE-USAID),2005-2010;
- 6) Strategic Plan of Governance Level, (USAID, DBE-1), 2005-2010;
- 7) "*Classroom Action Research*" International -Seminar, UPI 2003th, (Trainer);
- 8) Research Methodology for Thesis and Disertasi, in Senat Professor from Postgraduate school UNPAD, October 21, 2003;
- 9) Statistics Training with SPSS. Version 10 for Lecturer in Educational Faculty of UPI, 2002th,(Trainer);
- 10) *Broad-Based Education (BBE)* in Banten Province, 2002th,(Trainer);

- 11) School-Based Management And Quantum Teaching, Banten Province, 2002th, (Trainer);
- 12) Statistic Computerize Based for Widyaaiswara on National Stage in PG West Java, 2002th (Trainer);
- 13) Web Design for E-Learning on Banten Province, 2001 (Trainer);
- 14) E-learning, Training for Trainer (TOT), Banten Province, 2002th (Trainer);
- 15) Statistics Computerize Training for Junior Lecturer of UPI, 2001th, (Trainer);
- 16) Trainee in "Course 578: Networking Essentials "Authorized Academic Training Program – Bandung Institute of Technology- Corporate with Microsoft. May 1- 2, 2000. (Trainee);
- 17) National Statistics Seminar "The Role of Statistics in Facing the Global Market," Universitas Padjadjaran Bandung (24 s/d March 25, 2000). (Trainee).

D. INTERNATIONAL JOURNAL PUBLICATION

- 1) 2007, Wave Accelerated Learning Edutech Vol 3 No. 3 Oct, ISSN. 0852-1190 ;
- 2) 2012, Biology of ICT- Based Communication Paradigm International Journal of Communication and Media Technologies. ISSN 1986-3497 volume: 2, issue: 3, July - 2012 Pages: 33 -47 Internasional Journal (refereed): <http://www.ojcm.net/articles/23/233.pdf>;
- 3) 2012, Biological communication Behavior Through Information Technology Implementation in Learning Accelerated International Journal Communication Network System (IJCNS) August Issue, Vol 5. No. 8, 2012 International Journal. Have been Impact Factor 1,46;
- 4) 2012, Communication Through Artificial Weberp System In Supporting Business Company International Journal Of Advanced And Innovative Research (IAIR) Volume 1, Issue 7, December 2012.ISSN: 2278-7844 ;
- 5) 2013, Video Streaming for Creative Writing at International Elementary School Journal of Education and Learning, January, Vol 7. No.1, 2013ISSN.2089-9832;
- 6) 2013 Digital Media Communication Through Multilog Record Television (MTR) For E-Learning Content Development International Journal of Advanced And Innovative Research (IAIR). Volume 2, Issue 1, January 2013.ISSN: 2278-7844 ;
- 7) 2014, Communication Strategy Of Sirenstra.Edu For Local Branches Of The Ministry Of Education Within The Framework Of Regional Autonomy In Indonesia ORBICOM-UNESCO Paper Conference;
- 8) 2015, Developing Integrated Management Information System in Research: A Study at the Institute for Research and Community Services of Universitas Pendidikan Indonesia IJAER With SCOPUS INDEXING Volume 10, Number 16 (2015) pp 37206-37210 ISSN 0973-4562;
- 9) 2015 Learning Communication Strategy on Educational Sustainability Development in Primary Education Level at Bandung Municipality on IJAES With Scopus INDEXING, Volume 10, Number 6 (2015), pp. 1999-2005 ISSN 0973-6077;
- 10) Communication Strategy For Enhancing Quality Of Graduates Nonformal Education Through Computer Based Test (CBT) In West Java Indonesia, IJAER, SCOPUS Indexing, Volume 11, Number 15 (2016) pp 8641-864;
- 11) Smart Digital For Mobile Communication Through TVUPI Streaming For Higher Education; Scopus Indexing, Vol 13. No. 5 (2019)coming son;
- 12) Development of Web-Based Electronic Learning System (WELS) in Improving the Effectiveness of the Study at Vocational High School "Dharma Nusantara," Vol. 14. Issues.4,2018, SCOPUS Indexing;
- 13) Efforts to Know the Rate at which Students Analyze and Synthesize Information in Science and Social Science Disciplines: A Multidisciplinary Bio-Communication Study, Vo. 17, Issues .3. 2017, SCOPUS Indexing;

- 14) Modeling and simulation of the queue waiting time at traffic light intersection, IOP Conf. Series: Journal of Physics: Conf. Series 1188 (2019) 012001, SCOPUS Indexing;
- 15) Improving Road Traffic Management by A Model-Based Simulation, 2018 4th International Conference on Science and Technology (ICST). DOI: 10.1109/ICSTC.2018.8528576;
- 16) Implementation of Blended Learning Models to Improve Student Learning Outcomes in Junior High School on International Journal Advances in Science, Technology and Engineering Systems Journal, Vol. 6, No. 2, xx-xx (2021), ISSN.;
- 17) *Developing Kamishibai and Hologram Multimedia For Environmental Education At Elementary School*, on International Journal Advances in Science, Technology and Engineering Systems Journal, Volume 6, Issue 2, Page No 656-664, (2021);
- 18) Developing of Hologram Multimedia for Speed Learning Through Bio-communication, on Journal of Hunan University (Natural Sciences) Vol.48 Number 8, Page 41-46;
- 19) The Effectiveness of LR-DOMBL as VCDLN Model to Increase the Students' Reading Comprehension in Junior High School, Journal of Hunan University (Natural Sciences Vol 48, No. 11, November 2021, P. 284-288;
- 20) Digital Strategic Communication Management in Developing Curriculum of Universitas Pendidikan Indonesia, Journal of Hunan University (Natural Sciences) Vol 48, No. 10, October 2021, P. 118-130;
- 21) Environmental Education Based on Local Values: Its Integration in the Indonesian Elementary School Curriculum, Journal of Hunan University (Natural Sciences, Vol 48, No. 10, October, 2021, P. 207-216;
- 22) The Effect of Financial Difficulties and Institutional and Managerial Ownerships on Accounting Conservatism, Journal of Hunan University (Natural Sciences, Vol 48, No. 10, October 2021, P. 255-264;
- 23) Virtual community digital learning Nusantara Usage in teaching online courses during the pandemic period, Communication, technologies et développement, 11 | 2022, URL: <https://journals.openedition.org/ctd/6449> ISSN: 2491-1437 ;
- 24) Design of e-Learning based Based on ADDIE model during the Covid-19 Pandemic Communication, technologies et développement, 11 | 2022, Chaire Unesco Pratiques émergentes en technologies et communication pour le développement;
- 25) Development and Implementation of VCDLN-TVUPI Ecosystem Multiplatform Super-App in South Korea, Japan, and Indonesia, International Journal of Innovation, Creativity and Change. www.ijicc.net Volume 16, Issue 2, 2022;
- 26) Impact of Artificial Intelligence in Improving the Effectiveness of Accounting Information Systems, Journal of Wireless Mobile Networks, Ubiquitous Computing, and Dependable Applications (JoWUA), Volume 14, Number 2. 2023;

E. EXPERIENCE PUBLISHING INTERNATIONAL BOOKS

- 1) Biological Communication Through ICT Implementation: New Paradigm in Communication and 14. Information Technology for Accelerated Learning/ 2012 International Publishing by

Lambert Academic Publisher- Germany. <https://www.morebooks.de/store/gb/book/biological-communication-through-ICT-implementation/> ISBN/978-3-8465-2799-3 ISBN-13: 978-3-8465-2799-3, ISBN-10: 3846527998 EAN: 9783846527993;

- 2) Architecture "Fedena Open Source ERP" for Educational Communication 2017, publisher International Publishing by Lambert Academic Publisher-Germany. ISBN.978-3-659-79682-1 I, the undersigned, certify that, to the best of my knowledge and belief, this curriculum vitae correctly describes myself, my qualifications, and my experience:
- 3) Digital Communication Competencies of Indonesian School Teachers as the basis for Improvement of Online Learning. ISBN 979-10-91636-11-7 (Le Reseau International desk chairs UNESCO in Communication ORBICOM, 2017);
- 4) Communication Strategy of sirenstra.edu for local branches of the ministry of education within the framework of regional autonomy in Indonesia, ISBN 979-10-91636-05-6 (Le Reseau International desk chairs UNESCO in Communication ORBICOM, 2016);
- 5) Biocommunication through social media *Facebook* on education practices. , ISBN 979-10-91636-03-2 (Le Reseau International desk chairs UNESCO in Communication ORBICOM, 2016);
- 6) Bandung as Smart City for Indonesia on Digital and Global Era: Communication Strategy Approach To The New Government, ISBN 979-10-91636-03-3 (Le Reseau International desk chairs UNESCO in Communication ORBICOM, 2018);
- 7) Strategic Communication for Bandung Smart City in Globalization Digital Era, *New Visions in Science and Technology Vol. 2*, August 24, 2021, Page 12-22 <https://doi.org/10.9734/bpi/nvst/v2/11982D> **Published:** 2021-08-24;
- 8) Virtual Community Digital Learning Nusantara, ISBN 13: 978-620-4-73251-0; ISBN 10: 620473251X, EAN: 9786204732510;
- 9) *New Vision in Science and Technology: Strategic Communication for Bandung Smart City in Globalization Digital Era*. BP-Internasional -London, (2022);
- 10) New Realities, Mobile Systems and Applications: Work-in-Progress: Development of VCDLN Model as Implementation of Distance Learning in the Era of the Covid-19 Pandemic in Indonesia: **ISBN-10** : 3030962954; **ISBN-13** : 978-3030962951, **Publisher** : Springer; 1st ed. 2022 edition (April 9 2022); (10) LR-DOMBL for Teacher Educational Profession in Indonesia and Japan (Monograph) (2022);
- 11) Future Technologies Conference (FTC): The VCDLN Mobile Learning System for Digital Learning Services in Pandemic Covid-19, Book Chapter Publisher: Springer Cham, ISBN: 978-3-031-18343-0., (2022).
- 12) The Ultimate of VCDLN: Publisher: UPI-PRESS, ISBN: 978-623-454-076-5; (2023);
- 13) Super-App Mobile VCDLN-Learning Based on Artificial Intelligence Framework for Educational Services, Book Chapter: Publisher IEFRRP, through ICTEMR, 2023.

F. RESEARCH EXPERIENCE ACADEMIC AND ANY EMPLOYEE

- 1) Web streaming Development of TVUPI through Digital Smartphones at the Indonesian Education University Public Relations Office. (University Grant, 2019, Batch- II);
- 2) International Developing Environmental Literacy Through The Application Of English Mobile Learning (Collaborative Research Between UPI And Malaya University-Malaysia). (2018);
- 3) Generic And Specific Competencies Between Teacher Education Institutions In Indonesia And South Korea. (2018);
- 4) Educational Policy Communication Strategy Between Centers and Regions in West Java (Research University Grant, 2018);
- 5) UPI Streaming TV Web Development Through Smart Digital Mobile at the University of

- Indonesia's Public Relations Office. (University Grant, 2017, Batch- II);
- 6) UPI Streaming TV Mobile Development Through Smart Digital at the University of Indonesia's Public Relations Office Public Relations (Ministry of Education, Research and Technology, Grant, 2018 and Collaborative Research UPI- Bordeaux Montaigne University-France, Batch I);
 - 7) Development of Digital Data Communication Management System as Material for Taking University Strategic Policy (Research University Grant, 2017);
 - 8) Development of TVUPI Web streaming Through Smart Digital Mobile in the Public Relations Office of Universitas Pendidikan Indonesia. (University Grant, 2017, Batch- I);
 - 9) UPI Institutional Policy Communication Strategy Towards Leading and Outstanding University at the Asian Level in 2020 (Research University Grant, 2016);
 - 10) Higher Education Management and Leadership (HELM), as Contributor Integrated Data Information for Higher Education Project Outline. (2015)
 - 11) Participant Contributor for Planning, Implementation Training HELM.(2015).
 - 12) Readiness Vocational School in West Java In the implementation of Curriculum 2013 (University Awards), (2015)
 - 13) Needs Study For Environmental Education Curriculum Development Based On Local Needs Study Primary Education in Bandung and Shizuoka City, (Ministry of Education- Research and Technology, 2015, Collaborative Research UPI- Shizuoka University-Japan)
 - 14) Development and Application of Model Policies Educators Planning and Personnel (Kp2tk) Elementary And Secondary Education In West Java (Projection Supplies, Inventory, and the balance of Classroom Action Research Based on the PP. No. 38/2007), (Ministry of Education- Research and Technology, 2015 collaborative research UPI-Kitakyushu University-Japan);
 - 15) Model of Multi-Site Management Development University Campus Towards a Global Era University Model Multi-Site Management Development University Campus Towards a Global Era University.
 - 16) Integrated Management Information System in the neighborhood LPPM UPI. (Ministry of Education for Higher Education, 2014).
 - 17) Mobile Learning improves the competence of lecturers in schooling (Ministry of Education for Higher Education, 2013).
 - 18) Biological Communication Framework Da'wah-Unisba Kopertis Grants Member (2012);
 - 19) Evaluation of Performance-Based Teacher Certification and Qualification Improvement Program Member, Higher Education, and Networking Research province Level in West Java Province Member of Higher Civilization Communication (2012).
 - 20) Research and Evaluation RSBI SSN in District Chairman arrowroot "Networking Research province of West Java" and district Cooperation with the Agency. Main (2011).
 - 21) Model Education of Educators and Education (Year 2) The Secretary of Higher Education (2011);
 - 22) Video Streaming for Creative Writing at International Elementary School: Collaborative Research and Publication Member of Higher Education, University Science Malaysia. (2011).
 - 23) In the formation of 3-D Animation Learning Acceleration. (Research Competitive Grant, Chief Researcher). Year-to-2 Chairman of the Higher Education (2011).
 - 24) In the formation of 3-D Animation Learning Acceleration. (Research Competitive Grant, Chief Researcher). Year-to-1 Chairman of the Higher Education (2011).
 - 25) District Planning Information Support System (DPISS) in Support of Strategic Development Department of Education. (National Strategic Studies, Higher Education, 2009). (Chief Researcher). Chairman of the Higher Education. (USAID-West Java and Banten).
 - 26) Management Model ICT Curriculum Development in West Java. (Research Potential Areas, Higher Education, 2009). (Research Member). Members of the Higher Education.

- 27) Education Labor Education Model Development and Education. (Investigators) funded by the DIPA UPI 2009 (Research Assignment). Members of the Higher Education.
- 28) ICARE Model in Communication Theory Courses (Research Assignment) Funded by the DIPA UPI in 2009. Members of the Higher Education;
- 29) District Planning Information Support System (DPISS) in Support of Strategic Development Department of Education. (National Strategic Studies, Higher Education, 2009). (Chief Researcher).
- 30) Management Model ICT Curriculum Development in West Java. (Research Potential Areas, Higher Education, 2009).
- 31) Research on the implementation of Open Distance Learning through ICT empowerment center district by SEAMOLEC through Indonesia University of Education Chairman, 2007-2008;
- 32) The delivery of PJJ (District policy study in Garut, Sumedang, Cimahi Bandung, and Bandung City) in 2007 (Chairman of the Research Team). Chairman of the Independent. Developing Kamishibai and Hologram Multimedia for Environmental Education at Elementary School in Indonesia: International Research Collaborative with The University of Kitakyushu- Japan, December 2020. (Chief Researcher)
- 33) Virtual Community Digital Learning Nusantara (VCDLN) as the New Open Distance Learning Through TVUPI Multiplatform in Vandemi-Covid-19, 2021.
- 34) Virtual Community Digital Learning Nusantara (VCDLN) as the New Open Distance Learning Through TVUPI Multiplatform in Vandemi-Covid-19.(2021)
- 35) Development of the VCDLN Model in implementing PJJ in the Covid-19 Pandemic Era, Year 1 (2021).
- 36) Learning Resources Development Of Digital Online Mobile Blended Learning (LR-DOMBL) In PPG Indonesia-Japan As A Form Of VCDLN Implementation, (2021).
- 37) Development of a Continuing Teacher Education Curriculum Towards Mid-21st Century Golden Indonesia, (2021).
- 38) Development And Implementation of TVUPI'S VCDLN ECOSYSTEM Multiplatform Super-App In South Korea, Japan, And Indonesia (2022)
- 39) Development of the VCDLN Model in the Implementation of PJJ in the Covid-19 Pandemic Era, 2nd Year, (2022)
- 40) Digital Strategic of Instructional Communication Management in Developing Curriculum of Teacher Education Institutions (TIEs) in Indonesia and Japan (2022)
- 41) TVUPI-ANDROID-IOS as a Distance Learning Service, E-Learning-Blended Through Multiplatform Industrial Partners in the Form of VCDLN, 2022;
- 42) Learning Resources Development Of Digital Online Mobile Blended Learning (Lr-DOMBL) In Ppg Indonesia-Japan As A Form Of VCDLN Implementation, 2022;
- 43) Development of VCDLN as a Learning Solution in the Covid-19 Pandemic Era (2nd Year), 2022;
- 44) Development And Implementation Of TVUPI'S VCDLN Ecosystem Multiplatform Super-up In South Korea, Japan And Indonesia. 2023;
- 45) Implementation of TVUPI-ANDROID-IOS as a Distance Learning, E-Learning-Blended Service Through Multiplatform Industrial Partners in the Form of VCDLN, 2023;
- 46) Digital strategy of Instructional Communication Management in Developing Curriculum of Teacher Education Institutions (TIEs) in Indonesia and Japan, 2023;
- 47) Digital Strategy of Instructional Communication Management in Developing Curriculum for Teacher Education in Indonesia, 2023;
- 48) Implementation And Evaluation Of TVUPI'S VCDLN Ecosystem Multiplatform Super-App Through Artificial Intelligence Experts In South Korea, Japan, And Indonesia, 2023.

G. REVIEWER EXPERIENCE

- 1) Editing the book "Military Communications" Publish-Main Page;
- 2) Editor of "Organizing State Government Organizational Leadership" LAN-RI
- 3) Editor of the book "Intercultural Communication in Military Perspective" YAF Publish
- 4) The edited book "Military Communications Strategy" by Arum Independent Press.
- 5) The edited book "Communications Planning" Arum Independent Press.
- 6) The edited book "Behavior Communication Conflict" Arum Independent Press.
- 7) Book Editor "Military Communications Philosophy" YAF Publish
- 8) Book reviewer "Introduction to Communication" Arum Independent Press
- 9) Book Reviewer "Brain-Based Learning ICT Communication" Humanities IPS module for Education Cooperation Program PMPTK PJJPGSD S1-SEAMOLEC-PMPTK
- 10) Functional training Reviewers Teaching materials Metrology, January 15 Training Centre Metrology
- 11) Book Reviewer high school ICT Subject Information and Communication Technology with as many as nine books and Books Centre BSNP National Center National Books
- 12) Editor Book "Exploring Research Methodology" Arum Independent Press
- 13) Book Reviewer "Military Communications" author Dr. Suprawito. Arum Independent Press.
- 14) Reviewer Module "Basic Information and Communication Technology UPI Press.
- 15) Reviewer GBPP and SAP Extracurricular Compulsory Semester I and II, Faculty of Education.
- 16) Management IPDN administration, December 3 IPDN, Faculty of Management and Governance.
- 17) Reviewer SAP and the course syllabus and I Semester II, Faculty of Management environment IPDN Administration, Management Faculty Governance.
- 18) Editor Book 1 of the seventh grade ICT Word Processing Program (Ministry of Education and Culture Cooperation with the Research UPI).
- 19) ICT Books Editor of the junior class 2 Processing Program number (Ministry of Education and Culture Cooperation with the Research UPI).
- 20) ICT Books Editor of the junior class 3 Introduction to the Internet (Ministry of Education and Culture Cooperation with the Research UPI).
- 21) Reviewer Basic modules for ICT Cooperation Program PMPTK PJJPGSD S1-SEAMOLEC SEAMOLEC-PMPTK
- 22) Book Reviewer "Information Technology and Communication," Arum Independent Press.
- 23) Book Editor "Intercultural Communication Military" LPPM Padjadjaran University.
- 24) Journal Editors and Reviewers EduTech First edition, of 2000 to the present Department Educational Technology
- 25) Editing the book "Military Communications" Publish-Main Page.
- 26) Editor of "Organizing State Government Organizational Leadership" LAN-RI.
- 27) Editor of the book "Intercultural Communication in Military Perspective" YAF Publish.
- 28) The edited book "Military Communications Strategy" by Arum Independent Press.
- 29) The edited book "Communications Planning" Arum Independent Press.
- 30) The edited book "Behavior Communication Conflict" Arum Independent Press.
- 31) Book Editor "Military Communications Philosophy" YAF Publish.
- 32) Book reviewer "Introduction to Communication" Arum Independent Press.
- 33) Book Reviewer "Brain-Based Learning ICT Communication" Humanities IPS module for Education Cooperation Program PMPTK PJJPGSD S1-SEAMOLEC -PMPTK.
- 34) Functional training Reviewers Teaching materials Metrology, January 15 Departement of Educational and Training Metrology.
- 35) Book Reviewer high school ICT Subject Information and Communication Technology with as

- many as nine books and Book Centre BSNP National Center National books.
- 36) Editor Book "Exploring Research Methodology" Arum Independent Press.
 - 37) Book Reviewer "Military Communications" author Dr. Suprawito. Arum Independent Press.
 - 38) Reviewer Module "Basic Information and Communication Technology UPI Press.
 - 39) Reviewer GBPP and SAP Extracurricular Compulsory Semester I and II, Faculty of Management IPDN administration, December 3 IPDN, Management Faculty Governance.
 - 40) Reviewer SAP and the course syllabus and I Semester II, Faculty of Management environment IPDN Administration, Management Faculty Governance.
 - 41) Editor Book 1 of the seventh grade ICT Word Processing Program (Ministry of Education and Culture Cooperation with the Research UPI).
 - 42) ICT Books Editor of the junior class 2 Processing Program number (Ministry of Education and Culture Cooperation with the Research UPI).
 - 43) ICT Books Editor of the junior class 3 Introduction to the Internet (Ministry of Education and Culture Cooperation with the Research UPI).
 - 44) Reviewer Basic modules for ICT Cooperation Program PMPTK PJJPGSD S1-SEAMOLEC SEAMOLEC-PMPTK;
 - 45) Book Reviewer "Information Technology and Communication," Arum Independent Press;
 - 46) Book Editor "Intercultural Communication Military" Padjadjaran University Editor Book "Theory of Communication" Arum Independent Press;
 - 47) Journal Editors and Reviewers Edu Tech First edition, of 2000 to the present Department of Curriculum and Educational Technology;
 - 48) Reviewer journal communication of UNPAD (Ministry of Higher Education and Technology), 2017 until now;
 - 49) A reviewer on International Journal Science Publications (Scopus Indexing), 2016 until now;
 - 50) A reviewer of International Journal Inter-Science Publisher (Scopus); 2016 until now;
A reviewer of Journal Computer Science (2016 until now);
 - 51) Conduct of Indonesia Journal Association, 2015 until now;
 - 52) As a reviewer on E-journal Sciep- the USA, 2015 until now;
 - 53) As a reviewer in E-journal Cognitive Sciences, England, 2014 until now;
 - 54) As a reviewer on E-journal IJAIR dan JCT,- India, 2013 until now;
 - 55) Chef Editor on Edutech Journal: <http://Ejournal.upi.edu/Edutech>, 2000 until now;
 - 56) Journal Manager of Pedagogia, <http://ejournal.upi.edu/Pedagogia> (2013-2018);
 - 57) Journal Manager of JTEP, <http://e-teknologipembelajaran.org>, (2017-Now);
 - 58) Editorial Board of e-Journal Mimbar, accreditation by Ministry of Hinger Education and Technology (2013-now);
 - 59) Editorial Board of e-Journal JKK, accreditation by Ministry of Hinger Education and Technology (2016-now)
 - 60) Editorial Board of e-Journal Teknodik, accreditation by Ministry of Hinger Education and Technology (2017-now)
 - 61) As a reviewer in the Ministry Education and Culture Journal of the Republic of Indonesia (2014- Now).
 - 62) As a reviewer in the journal 15 Journal of IPDN (2001- now);
 - 63) As a reviewer in the Mobile Technology Journal of Education, Kassel University Germany (2018- now);
 - 64) As a reviewer in the Wiley Publication Journal (2018 until now).
 - 65) As a reviewer in Advances in Science, Technology, and Engineering Systems Journal. (2019

until now).

66) As a reviewer on Science Research Publication: International Journal Computer Sciences (2018 until Now).

67) As a Reviewer on MedREV Journal Publication (2021 until now).

68) As a Reviewer on Jurnal Teknologi dan Inovasi (JENOTIP), Malang University (2018 until Now)

69) As a Reviewer on Jurnal ETHOS, the University of Islam Bandung, (2017 until Now)

70) As a Reviewer on Jurnal Borneo, the Ministry of Mora, (2022 until Now).

71) As a Reviewer of Paper on ASEDAS (2024 until Now)

H. JOURNAL MANAGER/EDITORIAL BOARD EXPERIENCE

1) Edutech Journal (2001-now)

2) Journal Teknologi Pembelajaran, (2009- Now)

3) Pedagogia Journal (2010-2015);

4) Covered Journal (2013-2017);

5) Journal Educational Technology (2015- until now);

6) Gunahumas Journal of Human Relationship; (2017-now);

7) Journal Literacy Technology (JLT) as Editorial Board (2022)

I, the undersigned, certify that, to the best of my knowledge and belief, this curriculum vitae correctly describes myself, my qualifications, and my experience.

Bandung, January 26, 2026



DENI DARMAWAN

b. Research Member-2 From Universitas Negeri Malang, Indonesia

Ence Surahman, S.Pd., M.Pd, PhD

Assistant Professor in Educational Technology Departement

Faculty of Educaiton, Universitas Negeri Malang

ence.surahman.fip@um.ac.id

EDUCATION

- September 2020 – 17 July 2023 **Ph.D. on Education and Learning Technology** from National Tsing Hua University – Taiwan, GPA 4.29/4.30, cum laude
Dissertation title: *Studies on Academic Dishonesty Behaviours (ADB) in Online learning: A Mixed Methods*
Supervisor: Prof. Tzu-Hua Wang, Ph.D
- 01 September 2014 – 15 June 2016 **Magister in Instructional Technology**, Postgraduate Program, Universitas Negeri Yogyakarta (Yogyakarta State University) Yogyakarta, Indonesia. GPA: 3.94/4.00 (43 Credits) cum laude.
Thesis title: *Developing Adaptive Mobile Learning on Biology Subject Matter of Senior High School as an Attempt to Support the Blended Learning Process.*
Supervisor: Prof. Herman Dwi Surjono, Ph.D
- 01 September 2008 – 23 January 2013 **Bachelor Degree in Educational Technology**, Faculty of Education, Universitas Pendidikan Indonesia (Indonesia University of Education), Bandung, Indonesia. GPA: 3,83/4,00 (144 Credits) cum laude
Thesis title: *The Influence of Using Short Message Service (SMS) to Increase Learning Motivation Students on Information Communication Technology Learning Process in Junior high School Kartika 19-2 Bandung*
Supervisor: Prof. Dr. Deni Darmawan, M.Si
Dr. Cepi Riyana, M.Pd

RESEARCH AND TEACHING INTEREST

- Educational Technology
- Online Assessment
- Training Design
- STEM Education

RESEARCH EXPERIENCES

- Current project (2025) **Indoor Air Quality (IAQ) with fellow from The Education University of Hong Kong**
Role: co-researcher
Funding: The Education University of Hong Kong

SmartSTEM

Role: Researcher

Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia

- 2024 **Academic Ethics Cocurse (MOOCs)**
Role: Researcher

Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia

Community service: Online assessment for elementary teacher in Malang City

Role: Researcher

Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia

2020 – **STEM Project**

2023 Role: Researcher

Partners: National Tsing Hua University, Taiwan

Funding: Yin Shu-Tien Educational Foundation and National Science and Technology Council in Taiwan

Online assessment project

Role: Researcher

Partners: National Tsing Hua University, Taiwan

Funding: Yin Shu-Tien Educational Foundation and National Science and Technology Council in Taiwan & Elite Scholarship from Ministry of Education (MoE) Taiwan.

- 2020
- Community service: Pelatihan Perancangan Pembelajaran Berbasis Computational Thinking Untuk Guru-Guru Sdn Penanggungan Malang
Role: Researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Investigasi Persepsi, Efikasi Diri, Resiliensi Dan Prokrastinasi Akademik Mahasiswa Dalam Pembelajaran Daring Sipejar
Role: Researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Menyelidik Civic Engagement (Keterlibatan Warga Negara) Di Era Media Sosial Studi Survei Eksplanatori Pada Mahasiswa Dalam Kontestasi Pemilihan Umum Presiden Republik Indonesia 2019
Role: Co-researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Civic Engagement Keterlibatan Warga Negara Milenial Dalam Penanganan Pandemi Virus Corona (Covid-19) Di Jawa Timur
Role: Co-researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Pengembangan Pembelajaran Berbasis Mobile Seamless Learning Dalam Meningkatkan Flow Of Learning Dalam Peningkatan Keterampilan Berbicara (Speaking Skill) Bahasa Inggris
Role: Co-researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Community service: Pelatihan Standar Pengelolaan Sekolah Luar Biasa Berbasis Digital Untuk Mewujudkan Smart School Society 5.0
Role: Co-researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Pengembangan Instructional Scaffolding Discussion Berbasis Adaptive Dalam Meningkatkan Personalisasi Dalam Pembelajaran Online
Role: Co-researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia

- 2019
- Pengembangan Adaptive Mobile Learning (AMOL) sebagai inovasi personalized learning SIPEJAR
Role: Researcher
Funding: Islamic Development Bank (ISDB)
 - Pengembangan Buku Ajar Hyper Content Terintegrasi Open Educational Resources (OER) Untuk Meningkatkan Mutu Perkuliahan Program Pendidikan dan Pelatihan
Role: Researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Pengembangan Platform Berbasis Daring Untuk Meningkatkan Personalisasi Dalam Pembelajaran
Role: Co-researcher
Funding: Islamic Development Bank (ISDB)
 - Institutional Funding (PNBP) from State University of Malang. Pelatihan Pengembangan Dan Pemanfaatan Micro Learning Object (MLO) Terintegrasi Cloud Learning Resources (CLR) Dengan Pendekatan Technological Pedagogical Content Knowledge (TPACK) Bagi Guru-Guru Sma/Smk Di Talegong Garut
- 2018
- Pengembangan Model dan Aplikasi Peer Collaborative Authentic Assessment (PECOLASE) Terintegrasi Learning Management System (LMS) Untuk Melatih Higher Order Thinking And Critical Thinking Skills Mahasiswa Dengan Pendekatan Belajar Berbasis Kehidupan (BBK)
Role: Researcher
Funding: Islamic Development Bank (ISDB)
 - Penerapan Model Peer Authentic Assessment (PAA) Berbasis Group Project Based Learning (GPBL) dalam Perkuliahan Rancangan dan Strategi Program Diklat
Role: Researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia
 - Sistem Adaptif Learning Berbasis Ontology Pada Lingkungan Belajar Cerdas (Smart Learning Environment) Untuk Meningkatkan Efektivitas Pembelajaran Daring.
Role: Researcher
Funding: Institutional Funding (PNBP) Universitas Negeri Malang, Indonesia

PUBLICATIONS

- 2024
1. **Surahman, E.**, Wedi, A., Soepriyanto, Y., & Ulfa, S. (2024). Training of Online Assessment for Elementary School Teachers: Perception and Learning Outcomes. *JURPIKAT (Jurnal Pengabdian Kepada Masyarakat)*, 5(4), 1510-1529. Access.
 2. **Surahman, E.**, Soepriyanto, Y., Wedi, A., & Ulfa, S. (2024). *Online Assessment: Panduan Guru Sekolah Dasar*. Academia Publication. Access.
 3. **Surahman, E.**, Kurniawan, C., & Aulia, F. (2024, October). Strategi Membangun Budaya Integritas Akademik di Perguruan Tinggi. In *Prosiding Seminar Nasional PGSD UST* (Vol. 5, No. 1, pp. 1-13). Access.
 4. **Surahman, E.** (2024). *Rancangan & Pengembangan Program Pendidikan dan Pelatihan Berbasis Kompetensi*. Academia Publication. Access.
 5. Ulfa, S., **Surahman, E.**, Wiyono, B. B., Wedi, A., & Diningrat, S. W. M. (2024, October). Investigating Factors Shaping Behavioral Intention in Mobile-Based Assessment for Junior High School Students During the COVID-19 Outbreak in

Indonesia. In *2024 10th International Conference on Education and Technology (ICET)* (pp. 222-230). IEEE. Access.

6. Kurniawan, C., **Surahman, E.**, Utami, D. D., Nordin, R. M., Hasanah, W., & Anisah, A. (2024, October). Data Visualization of Online Differentiated Learning Implementation on Students' Time Spend in Learning. In *2024 10th International Conference on Education and Technology (ICET)* (pp. 74-78). IEEE. Access.
 7. Ulfa, S., **Surahman, E.**, Fatawi, I., & Hirashima, T. (2024). Development of adaptive instructional scaffolding on online forum discussion to improve personalization in moocs learning environments. *Journal of Educators Online*, 21(3). Access.
 8. **Surahman, E.** (2024). Curriculum and instructional designs on SDGs STEM learning. *Inovasi Kurikulum*, 21(2), 1177-1192. Access.
 9. Ulfa, S., **Surahman, E.**, Fatawi, I., & Tsukasa, H. (2024). Task-Technology Fit Analysis: Measuring the Factors that influence Behavioural Intention to Use the Online Summary-with Automated Feedback in a MOOCs Platform. *Electronic Journal of e-Learning*, 22(1), 63-77. Access.
- 2023**
1. Surahman, E., & Wang, T. H. (2023). In-service STEM teachers professional development programmes: A systematic literature review 2018–2022. *Teaching and Teacher Education*, 135, 104326. Access
 2. Ulfa, S., Wedi, A., Fatawi, I., & **Surahman, E.** (2023, October). Predicting Students' Learning Outcomes in Massive Open Online Courses. In *2023 9th International Conference on Education and Technology (ICET)* (pp. 71-75). IEEE. Access.
 3. Latumakulita, I. I., Supahar, S., Suparwoto, S., & **Surahman, E.** (2023). WhatsApp-Assisted JCL-Based Physics E-Book: Its Effect on Physics Learning Outcome in Senior High School. *Jurnal Penelitian Pendidikan IPA*, 9(4), 1846-1853. Access.
 4. Pratama, U. N., & **Surahman, E.** (2023). Desain online project-based learning untuk pembelajaran menulis karya ilmiah pendidikan seni budaya. *Jurnal Ilmiah Pendidikan Citra Bakti*, 10(1), 184-198. Access.
 5. Aisyah, E. N., Harun, H., Rohman, A., Hardika, H., & **Surahman, E.** (2023). Bullying Management Strategies for Indonesia's Early Childhood Education Environment: A Bibliometric Study. *International Research-Based Education Journal*, 5(1), 86-96. Access.
 6. Kurniawan, C., & **Surahman, E.*** (2023, February). How to Create and Manage an Innovative Business Startup Using a Design Thinking Approach?. In *International Conference on Educational Management and Technology (ICEMT 2022)* (pp. 247-259). Atlantis Press. Access.
 7. **Surahman, E.***, Liao, Y.-C., Lin, Y.-C., & She, E. (2022, October). Digital News Transformation on Education in the Most Affected Country by COVID-19 Using the Topic Modeling and Sentiment Analysis. In *2022 8th International Conference on Education and Technology (ICET)* (pp. 99-106). IEEE. Access.
- 2022**
1. Alfakihuddin, M. L. B., **Surahman, E.**, & Haryani, F. (2022). The Application of Inquiry Intelligent Tutoring System in Biology Practicum. *Journal of Education Technology*, 6(4), 634-642. Access
 2. **Surahman, E.**, & Wang, T. H. (2022). Academic dishonesty and trustworthy assessment in online learning: a systematic literature review. *Journal of Computer Assisted Learning*, 38(6), 1535-1553. [Access](#)
 3. Kurniawan, C., Kusumaningrum, S. R., Lam, K. F. T., & **Surahman, E.** (2022). Improving Language Teaching and Learning Process with Dual Coding Theory

Approaches. *Jurnal Pendidikan: Teori, Penelitian, dan Pengembangan*, 7(8), 281-289. [Access](#)

4. **Surahman, E.***, Wang, T. H., Lam, K. F. T., Pratama, U. N., & Aisyah, E. N. (2022, January). Investigating Elementary Teachers' Understanding, Beliefs, and Intentions toward STEM and Computational Thinking in Education. In *2022 2nd International Conference on Information Technology and Education (ICIT&E)* (pp. 175-180). IEEE. [Access](#)
5. Kurniawan, C., Kusumaningrum, S. R., **Surahman, E.**, & Zakaria, Z. (2022, January). Clustering of Fine Art-Images as Digital Learning Content using Data Mining-Image Analysis Techniques. In *2022 2nd International Conference on Information Technology and Education (ICIT&E)* (pp. 37-42). IEEE. [Access](#)

2021

1. Thaariq, Z. Z. A., **Surahman, E.**, Kusworo, NR. (2021). Analisis Tingkat Relevansi Kualifikasi Profesi Guru dari Bidang Teknologi Pendidikan di Sekolah. *Jurnal Profesi Keguruan* 7 (2), 248-262. [Access](#)
2. Thaariq, Z. Z. A., & **Surahman, E.** (2021). How does educational technology answer challenges? Empirical theoretical studies and public perspectives. *Journal of Education and Learning (EduLearn)*, 15(3), 474-482. [Access](#).
3. Kustiawan, U., Yafie, E., & **Surahman, E.** (2021). Development of a Video on Three-Dimensional Origami Creation Techniques to Improve the Practical Handicraft Skills of Teacher-Candidate College Students. *International Online Journal of Education and Teaching*, 8(1), 335-345. [Access](#).
4. **Surahman, E.***, Kurniawan, C., & Pratama, U. N. (2021, December). The Appropriate Remote Learning Methods During the COVID-19 Pandemic in Rural Schools in Indonesia. In *International Conference on Information Technology and Education (ICITE 2021)* (pp. 120-127). Atlantis Press. [Access](#).
5. **Surahman, E.***, & Pratama, U. N. (2021, November). Online Observation Protocol to Supervise Online Learning and Its Sample Report. In *7th International Conference on Education and Technology (ICET 2021)* (pp. 6-12). Atlantis Press. [Access](#).
6. **Surahman, E.***, Wang, T. H., Thaariq, Z. Z. A., Sugiarti, D., Pratama, U. N., & Aisyah, E. N. (2021, September). High School Teacher's Perception toward Online Assessment in Blended Learning. In *2021 7th International Conference on Education and Technology (ICET)* (pp. 230-234). IEEE. [Access](#).
7. Pratama, U. N., & **Surahman, E.** (2021, September). Perceptions of Performing Arts Education Students' on Infographic-based Presentations as Learning Media for Online Meeting Video. In *2021 7th International Conference on Education and Technology (ICET)* (pp. 140-146). IEEE. [Access](#).

2020

1. **Surahman, E.***, & Ulfa, S. (2020). Pelatihan Perancangan Pembelajaran Berbasis Computational Thinking untuk Guru Sekolah Dasar. *JURPIKAT (Jurnal Pengabdian Kepada Masyarakat)*, 1(2), 60-74. [Access](#)
2. Pradipta, R. F., Dewantoro, D. A., **Surahman, E.**, & Oktaviani, H. I. (2020). Pelatihan Standar Pengelolaan Sekolah Luar Biasa Berbasis Digital untuk Mewujudkan Smart School Society 5.0. *JURPIKAT (Jurnal Pengabdian Kepada Masyarakat)*, 1(2), 136-143. [Access](#)
3. **Surahman, E.***, Sulthoni, S., Ulfa, S., Husna, A., Ramdiana, H., Thaariq, Z. Z. A., ... & Qolbi, M. S. U. (2020). Pelatihan Micro Learning Object Berbasis TPACK bagi

- Guru-Guru SMA di Garut. *Abdimas Pedagogi: Jurnal Ilmiah Pengabdian Kepada Masyarakat*, 3(1), 1-14. [Access](#)
4. **Surahman, E.***, Sulthoni, A., & Putra, A. P. (2020). Components and Patterns of Hypercontent Textbook Design as Innovative Learning Resources in Digital Learning Era. *The 4th ICSSSED, International Conference of Social Science and Education*, 58-67. [Access](#).
 5. Prastiawan, A., Gunawan, I., Putra, A. P., Dewantoro, D. A., Cholifah, P. S., Nuraini, N. L. S., ... & **Surahman, E.** (2020, December). Organizational Climate in School Organizations: A Literature Review. In *1st International Conference on Information Technology and Education (ICITE 2020)* (pp. 725-728). Atlantis Press. [Access](#)
 6. Ulfa, S., **Surahman, E.**, & Octaviani, H. I. (2020, December). Mobile Seamless Language Learning Framework to Improving Students' Speaking Skills for Junior High Students during Pandemic Convid-19: A Case Study in Indonesian Context. In *1st International Conference on Information Technology and Education (ICITE 2020)* (pp. 497-500). Atlantis Press. [Access](#)
 7. Thaaariq, Z. Z. A., **Surahman, E.**, Murti, S. A., Faqiroh, B. Z., & Kusworo, N. R. (2020, December). Analysis of Learners Characteristics and Learning Process Preferences during Online Learning. In *1st International Conference on Information Technology and Education (ICITE 2020)* (pp. 49-54). Atlantis Press. [Access](#)
 8. Prastiawan, A., Gunawan, I., Putra, A. P., Arif, D., Dewantoro, P. S. C., Nuraini, N. L. S., ... & **Surahman, E.** (2020, December). School Leadership Skills in Educational Institutions. In *6th International Conference on Education and Technology (ICET 2020)* (pp. 438-441). Atlantis Press. [Access](#)
 9. Nuraini, N. L. S., Cholifah, P. S., Putra, A. P., **Surahman, E.**, Gunawan, I., Dewantoro, D. A., & Prastiawan, A. (2020, December). Social Media in the Classroom: A Literature Review. In *6th International Conference on Education and Technology (ICET 2020)* (pp. 264-269). Atlantis Press. [Access](#)
 10. **Surahman, E.***, Thaaariq, Z. Z. A., Qolbi, M., & Setiawan, A. (2020, December). Investigation of the High School Teachers TPACK Competency in South Garut, West Java, Indonesia. In *6th International Conference on Education and Technology (ICET 2020)* (pp. 461-466). Atlantis Press. [Access](#)
 11. Thaaariq, Z. Z. A., **Surahman, E.**, Puspita, R. D., Faiza, N., & Khumairoh, F. N. (2020, November). Professionalism of Primary School Teachers in Selection of Learning Models and Media to Achieve Instructional Goals. In *2nd Early Childhood and Primary Childhood Education (ECPE 2020)* (pp. 165-172). Atlantis Press. [Access](#)
 12. Pratama, U. N., & **Surahman, E.** (2020, October). Investigating Student Responses of Online Learning during the Covid-19 Pandemic in Performing Art Education. In *2020 6th International Conference on Education and Technology (ICET)* (pp. 64-69). IEEE. [Access](#)
 13. **Surahman, E.***. (2020, October). Student Satisfaction toward Quality of Online Learning in Indonesian Higher Education During the Covid-19 Pandemic. In *2020 6th International Conference on Education and Technology (ICET)* (pp. 120-125). IEEE. [Access](#)
 14. Adri, M., Zainul, R., Wahyuningtyas, N., Wedi, A., **Surahman, E.**, Aisyah, E. N., ... & Adnan, E. (2020, July). Development of Content Learning System in Professional Education Subjects for Educational Institutions in Indonesia. In *Journal of Physics: Conference Series* (Vol. 1594, No. 1, p. 012022). IOP Publishing. [Access](#)

15. Zainul, R., Adri, M., Wahyuningtyas, N., Wedi, A., **Surahman, E.**, Aisyah, E. N., ... & Adnan, E. (2020, July). Development of e-Learning Courses for Subjects about 'Learn and Learning' with Moodle-based for Prospective Teacher in Indonesia. In *Journal of Physics: Conference Series* (Vol. 1594, No. 1, p. 012023). IOP Publishing. [Access](#)
16. Wahyuningtyas, N., Zainul, R., Adri, M., Wedi, A., **Surahman, E.**, Aisyah, E. N., ... & Adnan, E. (2020, July). Development of moodle-based content learning system in MKDK student development subjects at LPTK in Indonesia. In *Journal of Physics: Conference Series* (Vol. 1594, No. 1, p. 012021). IOP Publishing. [Access](#)
17. Elmunsyah, H., Hidayat, W. N., Ulfa, S., **Surakhman, E.**, & Wakhidah, R. (2020). Measuring user experience on personalized online training system to support online learning. In *IOP Conference Series: Materials Science and Engineering* (Vol. 732, No. 1, p. 012115). IOP Publishing. [Access](#)

2019

1. **Surahman, E.***, Kuswandi, D., Wedi, A., Degeng, I. N. S., Setyanti, D. A., & Thaariq, Z. Z. A. (2019). Adaptive learning analytics management system (Alams): An innovative online learning approach. *International Journal of Innovation, Creativity and Change*, 5(4), 413-430. [access](#)
2. **Surahman, E.***, Satrio, A., & Sofyan, H. (2020). Kajian Teori Dalam Penelitian. *Jurnal Kajian Teknologi Pendidikan*, 3(1), 49-58. [access](#)
3. **Surahman, E.*** (2019). *Integrated Mobile Learning System (Imoles)* Sebagai Upaya Mewujudkan Masyarakat Pebelajar Unggul Era Digital. *JINOTEP (Jurnal Inovasi dan Teknologi Pembelajaran) Kajian dan Riset dalam Teknologi Pembelajaran*, 5(2), 50-56. [access](#)
4. Soepriyanto, Y., Sihkabuden, S., & **Surahman, E.** (2019). *Pengembangan Obyek 3D Digital Pada Meja Piramida Hologram Untuk Pembelajaran Kelas*. *Jurnal Kajian Teknologi Pendidikan*, 1(4), 333-339. [access](#)
5. Az-Zahroh, S. F., Thaariq, Z. Z. A., **Surahman, E.**, Widyasari, C. M., Qolbi, M. S. U., & Diana, R. C. (2019). Developing Ethic Game (Ethnomathematics Game): The Instructional Media of Culture Mathematics with Tringo by Ki Hadjar Dewantara. *JPP (Jurnal Pendidikan dan Pembelajaran)*, 26(2), 50. [access](#)
6. **Surahman, E.***, Ulfa, S., Husna, A., Slamet, T. I., Qolbi, M. S. U., Setiawan, A. B., ... & Diana, R. C. (2019, October). The Effect of Blended Training Model to Improving Learning Outcomes: A Case in Micro Learning Object Training. In *2019 5th International Conference on Education and Technology (ICET)* (pp. 33-38). IEEE. [Access](#)
7. Ulfa, S., Fattawi, I., **Surahman, E.**, & Yusuke, H. (2019, October). Investigating Learners' Perception of Learning Analytics Dashboard to Improve Learning Interaction in Online Learning System. In *2019 5th International Conference on Education and Technology (ICET)* (pp. 49-54). IEEE. [Access](#)
8. **Surahman, E.***, Kuswandi, D., Wedi, A., & Thaariq, Z. Z. A. (2019, July). Students' perception of project-based learning model in blended learning mode using sipejar. In *International Conference on Education Technology (ICoET 2019)* (pp. 183-188). Atlantis Press. [Access](#)
9. **Surahman, E.***, Kuswandi, D., & Wedi, A. (2019, December). Students' Perception of Project-Based Learning Model in Blended Learning Mode Using Sipejar. In *International Conference on Education Technology (ICoET 2019)*. Atlantis Press. [Access](#)

10. **Surahman, E.***, Kuswandi, D., Wedi, A., Thaariq, Z. Z. A., & Diana, R. C. (2019, December). Model Design of Adaptive Learning Analytics Management System (ALAMS) Using AID Model. In *the 4th International Conference on Education and Management (COEMA 2019)*. Atlantis Press. [Access](#)
 11. Prastiawan, A. A., Prastiawan, A., Gunawan, I., Putra, A. P., **Surahman, E.**, Dewantoro, D. A., ... & Nuraini, N. L. S. (2019, December). Office management of educational institutions: Theories and applications. In *5th International Conference on Education and Technology (ICET 2019)* (pp. 758-762). Atlantis Press. [Access](#)
- 2018**
1. **Surahman, E.***, & Supriyanto, A. (2018). Peningkatan Keterampilan Mengajar Dosen Muda Melalui Lesson Study. *Edcomtech Jurnal Kajian Teknologi Pendidikan*, 3(1), 35-38. [access](#)
 2. **Surahman, E.***, Wedi, A., Soepriyanto, Y., & Setyosari, P. (2018, December). Design of Peer Collaborative Authentic Assessment Model Based on Group Project Based Learning to Train Higher Order Thinking Skills of Students. In *International Conference on Education and Technology (ICET 2018)*. Atlantis Press. [Access](#)
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Malang, January 6, 2026

Reseacher



Ence Surahman, S.Pd., M.Pd., Ph.D

c. Research Member-3 From Mexico University

Prof. Dr. Manuel Alejandro Guerrero

Departamento de Ciencias Sociales y Políticas- Universidad Iberoamericana

Brief:

Dr. Manuel Alejandro Guerrero is a political communication scholar with degrees from El Colegio de México, the University of Cambridge, and a Ph.D. from the European University Institute. He is a Research Professor at the Universidad Iberoamericana, where he has also directed the Communication Department and the radio station Ibero 90.9 FM. For 17 years, he has coordinated the Professional Electoral Service at Mexico's National Electoral Institute. A member of the Mexican Academy of Sciences, the UN Academic Council, and president of the UNESCO ORBICOM network, he also serves on several national and international editorial boards. His research focuses on media, democracy, civic attitudes in digital spaces, and the political and regulatory impact of AI. He has been a visiting professor in the U.S., China, Brazil, France, Italy, and Austria, and recently collaborated with PERIL on methods to counter polarization and disinformation. He is the author of 12 books and 24 book chapters with international publishers, and writes biweekly for *El Sol de México* on communication, journalism, media literacy, disinformation, and AI.

Long:

Dr. Manuel Alejandro Guerrero holds a degree in International Relations from El Colegio de México, a master's degree in Latin American Studies from the University of Cambridge, and a Ph.D. in Political Science with a specialization in Political Communication from the European University Institute in Florence, Italy. He is a Research Professor in the Department of Social and Political Sciences at Ibero-American University, where he has served as the director of the Department of Communication and the radio station Ibero90.9 FM. For 17 years, he has also served as the academic coordinator of the Professional Electoral Service of the INE. He is a member of the Mexican Academy of Sciences, a member of the Academic Council of the United Nations System, and the president of ORBICOM, the World Network of UNESCO Chairs in Communication.

In addition to serving on national and international editorial boards, such as Palgrave-McMillan for scientific publications, he is a member of the Mexican Association of Communication Researchers (AMIC), the International Communication Association (ICA), and the International Association for Media and Communication Research (IAMCR).

He has been a visiting professor at universities and research centers in the United States, China, Brazil, France, Italy, and Austria. His research has focused on:

- The relationship between communication, media and democracy in Latin America.
- Analysis of civic attitudes and practices in the digital space.
- Political, social, and regulatory impact of Artificial Intelligence and digital networks.
- He has recently collaborated with the Polarization and Extremism Innovation Lab (PERIL) in Washington, D.C., on new methodologies to reduce polarization and better understand disinformation phenomena in the public space.

As a result of these areas of study, he has published 12 books and 24 book chapters with Mexican and international publishers like Palgrave, Peter Lang, and Routledge, among others. He is a biweekly contributor to *El Sol de México* on topics such as communication, journalism, media education, disinformation, and artificial intelligence.

Some of the latest publications:

- Manuel Alejandro Guerrero & Jimena Zárata (2025). "Media In Latin America." In Daniela Dimitrova (ed). *Global Journalism: Understanding World Media Systems*, London: Palgrave.
- Manuel Alejandro Guerrero & Federico Mastrogiovanni (2025). "Alternative Media Under Conditions of Media Capture in Mexico: Is Resistance Enough for Responsive Journalism?" In Bethia Pearson y Hayes Mabweazara, *Media Capture in Africa and Latin America: Power and Resistance*. London: Springer.
- Manuel Alejandro Guerrero & Giselle Kuri (2024). What Does Political Communication Stand for from a Global South Perspective? *Fall 2024 – Issue 30 "What Does PolComm Stand For? Normative Dimensions of Political Communication Research & Theorizing"* <https://politicalcommunication.org/article/guerrero-kuri-carrasco-polcomm-from-the-global-south/>
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- Arthur Ituassu & Manuel Alejandro Guerrero (2024). Public Sphere and Political Communication Changes in Latin America. Digital Media and Democracy in Brazil and Mexico. *Journal of Latin American Communication Research, Vol. 12 No. 1.* <https://doi.org/10.55738/journal.v12i1p.4-20>
- Mauricio Flores-Gerónimo, Ulises Cruz-Valencia, Manuel Alejandro Guerrero Martínez, Renato García-González, A. Daniela Grave-Aragón (2024). Novel Algorithm to Predict Electoral Trends, Case in Mexico, Information Management and Big Data. In: Lossio-Ventura, J.A., *et al.* Information Management and Big Data. SIMBig 2023.

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- Manuel Alejandro Guerrero, Sandra Vera y Constanza García (2023). “Creating assignments and assessments that work well in online spaces”, en Keith y Cozma, eds. *A Handbook for Journalism Educators. Teaching Journalism Online*. Paris: UNESCO.
- Manuel Alejandro Guerrero y Maira Vaca (eds.) (2023). *Los sistemas de medios en América Latina, V.II, Alcances y Límites Conceptuales*. Madrid: Tirant Lo Blanch.
- Manuel Alejandro Guerrero (2023). *Media Systems in Unconsolidated Democracies. The case of Mexico.* In Martín Echeverría y Rubén González (eds.), *Media and Politics in Post-Authoritarian Mexico*, Londres: Palgrave.

d. Research Member-4 From UQAM Canada

Magda Fusaro est rectrice de l'Université du Québec à Montréal (UQAM) depuis le 7 janvier 2018. Titulaire d'un doctorat en communication et sciences de l'information de l'Université Paris XIII, Magda Fusaro a été professeure au Département de management et technologie de l'École des sciences de la gestion (ESG) de l'Université du Québec à Montréal (UQAM) de 2006 à 2016 et titulaire de la Chaire UNESCO en communication et technologies pour le développement à partir de 2007. À l'ESG, Magda Fusaro a notamment assumé la direction des programmes en technologies de l'information aux premier et deuxième cycles de 2008 à 2015. En 2016, elle est nommée présidente du réseau des chaires UNESCO au Canada, se prononçant en faveur de l'internationalisation des universités, qu'elle considère cruciale dans le développement de la recherche. Professeure invitée au Collège Birkbeck de l'Université de Londres entre janvier et juin 2016, elle devient vice-rectrice aux Systèmes d'information le 1er août 2016. Reconnue comme une professeure engagée et une gestionnaire visionnaire, elle place le développement et l'usage des technologies au service des activités d'enseignement, de recherche et de création. Persuadée des relations vertueuses entre les milieux socioéconomiques et universitaires, Magda Fusaro siège au sein de nombreux Conseils d'administration et Comités. Aujourd'hui, elle poursuit l'ensemble de ses engagements en oeuvrant à titre de rectrice de l'UQAM.

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e. Research Member-5 From Bordeaux University

Etienne Damome est professeur titulaire en Sciences de l'Information et de la Communication. Actuellement Vice-président de l'Université Bordeaux Montaigne en charge de l'Orientation, l'Insertion professionnelle et de la Communication externe, il est responsable de l'Axe de recherche Médias, Cultures et Sociétés du MICA et membre de la Chaire Pratiques émergentes en technologies et communication pour le développement de Bordeaux. Il est également président en exercice du GRER (Groupe de Recherches et d'Etudes sur la Radio).

Diverses thématiques traversent ses recherches : écosystème médiatique et de la communication, analyse sociopolitique des médias, mutations des médias et du journalisme à l'ère du numérique, pratiques sociales des TIC. Il participe aux travaux de la Chaire UNESCO en pratiques émergentes des technologies de l'information et de la communication pour le développement.

Dernières publications (2018-2020) :

1. Etienne Damome. Committed Listener Groups and Media Participation in Francophone West Africa. *International Journal of Communication*, 14:608–625, January 2020. URL <https://hal.archives-ouvertes.fr/hal-02480527>.
2. Etienne Damome, Aminata Ouédraogo, and Elodie Tapsoba. Vision et usages enchantés des réseaux sociaux numériques au Burkina Faso. *Communication – Information, médias, théories, pratiques*, 2020. URL <https://hal.archives-ouvertes.fr/hal-02480540>.
3. Etienne Damome. Communication engagée au sein des associations d'auditeurs de radio en Afrique subsaharienne. *Communication & Organisation*, (55):155–170, June 2019a. doi: 10.4000/communi-7945. URL <https://hal.archives-ouvertes.fr/hal-02480512>.
4. Etienne Damome. Revisiter la notion de communauté médiatique à partir de l'exemple des collectifs d'auditeurs engagés en Afrique subsaharienne. *Revue française des sciences de l'information et de la communication*, (16), May 2019b. doi: 10.4000/rfsic.5915. URL <https://hal.archives-ouvertes.fr/hal-02480514>.
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6. Nadège Soubiale and Etienne Damome. Résilience du pastoralisme sahélien : discours d'évidence institutionnels et journalistiques. *Communiquer : Revue de communication sociale et publique*, 2019b. URL <https://hal.archives-ouvertes.fr/hal-02457107>.

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8. Etienne Damome, Noble Akam et Alain Kiyindou *Systèmes connectés, données et économie numérique dans l'espace francophone*, Paris, L'Harmattan, 2019.
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10. Etienne Damome. Religions et médias au Ghana et au Togo. *Revue française des sciences de l'information et de la communication*, (13), June 2018a. doi: 4000/rfsic.3710. URL <https://hal.archives-ouvertes.fr/hal-02480517>.
11. Etienne Damome. Communication publique pour la paix : pratiques et discours. Exemple de la radio en Afrique subsaharienne. In *Journalisme de paix et résolution des conflits par les médias*, A. Faisal Bakti et Y. Théoret (dir.), Paris, Les éditions de l'Immatériel, 2018, p. 197-228.
12. Etienne Damome and Nadège Soubiale. Imaginaires médiatiques de la résilience pastorale en Afrique subsaharienne. *Communiquer : Revue de communication sociale et publique*, 2018. URL <https://hal-u-bordeaux-montaigne.archives-ouvertes.fr/hal-02457131>.
13. Etienne Damome. Opportunités et difficultés du développement des archives ouvertes pour la communication publique : la situation en Afrique subsaharienne. *Revue française des sciences de l'information et de la communication*, (12), January 2018b. doi: 10.4000/rfsic.3491. URL <https://hal.archives-ouvertes.fr/hal-02480519>.
14. Alain Kiyindou, Noble Akam et Etienne Damome. *Objets connectés et développement intelligent*, Paris, L'Harmattan, 2018.

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f. Research Member -6 from University Nacionale Vila Maria, Argentina

Ph.D. in Social Sciences and Economics (University of Erlangen-Nuremberg, Germany). Master in International Relations and Bachelor in Social Communication (University of Cordoba, Argentina).

Professor of Communication and Politics at the Institute for Social Sciences, National University of Villa Maria, Argentina since 2000.

Deputy Director of the Doctorate Program in Social Sciences at the Institute for Social Sciences, National University of Villa Maria, Argentina since 2016.

Former Head of the Institucional Communication Office at the University of Villa Maria (April 2018-November 2022).

Former Executive Coordinator of the Red Interuniversitaria de Áreas de Prensa y Comunicación Institucional (RedIAP) – Network of Press and Institutional Communication Areas of Public Universities (Argentina) (May 2020- November 2022).

Former Fellow of the Konrad Adenauer Foundation (Germany) for PhD-Studies at the University of Mainz and the University of Erlangen-Nuremberg (Germany) between 2004-2009.

Former Fellow of the Institute for Policy Studies at the Johns Hopkins University (Baltimore, United States) in 2001.

Research fields: Political Communication, Digital Communication, Gender and Communication, Citizen Participation, Public Opinion, International Communication.

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g. Research Member-7 From UIN Syarif Hidayatulloh , Jakarta

Andi Faisal Bakti was awarded a Master's by McGill University in 1993, and a Ph.D. by the Université du Québec à Montréal (UQAM) in 1998, and conducted post-doctoral research in communications at McGill University in 1998-2000, while teaching at the Department of East Asian Studies at same university. These studies were granted by CIDA, SSHRC, and FCAR scholarships. He taught in University of Victoria, Canada in 2000-2001. He is dean of the Faculty of Communication Universitas Pancasila Jakarta 2009-present, and professor at the Faculty of Dakwah and Communication, Syarif Hidayatullah State Islamic University Jakarta since 2005 and Universitas Indonesia since 2007.

He has held research fellowships at the International Institute for Asian Studies (IIAS) in 2001-2004, and Koninklijk Institute voor Taal-, Land- en Volkenkunde (KTLV)– Royal Netherlands Institute of Southeast Asian and Caribbean Studies), in 2004-2005. He then was appointed fellow at the Oxford University, UK in 2005; Asian Scholarship Foundation (Thailand) in 2006-2007; SEASREP (Philippines) in 2008, and Asian Public Intellectuals (Japan) in 2009. His research interests include religious/cultural communication, civil society, good governance, regional autonomy, development, Family Planning and Welfare, and human rights.

Among his publications are: “God governance in Islam,” in: Islam, negara dan civil society [Islam, state, and civil society] (2005), “Paramadina and its approach to culture and communication; An engagement in civil society,” in: Archipel (Paris, 2004), and “Collective memories of the Qahhar movement,” in: Beginning to remember (California, 2005), “Paramadina and Civil Society” in Brill (Leiden, 2005).

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