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Jakarta - Indonesia
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The 6th ICCD 2024

(International Conference on Community Development)

Advancing Eco-Friendly and Zero Waste Initiatives

CONFERENCE PROGRAMS & ABSTRACS



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CONFERENCE PROGRAM

The 6th International Conference and Community Development (ICCD) 2024

"Advancing Eco-Friendly and Zero Waste Initiatives"

Conference Program
The 6th International Conference and Community Development (ICCD) 2024
"Advancing Eco-Friendly and Zero Waste Initiatives"

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Secretariat :
International Conference and Community Development (ICCD) 2024
"Advancing Eco-Friendly and Zero Waste Initiatives"

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CONFERENCE SCHEDULE
THE 6th INTERNATIONAL CONFERENCE AND COMMUNITY DEVELOPMENT (ICCD) 2024

BINUS University, Thursday, October 29th 2024

Time (UTC+7)			Dur (min)	Activities
SESSION 1: Auditorium Session				
8:00	-	9:00	60	Registration Morning Coffee
9:00	-	9:10	10	Traditional dance performance: STAMANARA
9:10	-	9:15	5	Opening by MC
9:15	-	9:20	5	Prayer
9:20	-	9:25	5	National anthem "Indonesia Raya"
9:25	-	9:35	10	**Welcoming Speech** by: BINUS University Vice Rector of Research & Technology Transfer - **Prof. Dr. Juneman Abraham, S.Psi., M.Si.**
9:35	-	9:45	10	**Opening Remarks/Ceremony** by: BINUS University Rector - **Dr. Nelly, S. Kom., M.M., CSCA** followed by Opening Gong Banging with four Rectors of partnering universities
9:45	-	10:00	15	**Keynote Speech** by: Deputy for Micro Business Jakarta - Ministry of Cooperatives and SMEs (Kemenkopukm) - **Dr. Yulius, M.A.**
10:00	-	10:10	10	- Token Handout to Representative of Kemenkopukm - Photo
10:10	-	10:15	5	Guest Speakers Introduction by Moderator
10:15	-	10:30	15	**Guest Speaker 1** – Research Fellow Faculty of Economics and Muamalat - Islamic Science University of Malaysia - **Prof. Dato' Dr. Hasnah Hj. Haron**
10:30	-	10:45	15	**Guest Speaker 2** - Senior Lecturer, La Trobe Business School, Australia – **Dr. Malliga Marimuthu**
10:45	-	11:00	15	**Guest Speaker 3 –** BINUS University Lecturer - Represented Burapha University International College, Thailand - **Teguh Amor Patria, A.Par., PGDip., MPPar., Ph.D**
11:00	-	11:15	15	**Guest Speaker 4** - Director of EUREKA Robotics Center, Cardiff Metropolitan University, Wales, United Kingdom - **Prof. Esyin Chew**
11:15	-	11:35	20	Talk Show and Q&A
11:35	-	11:40	5	Musical Performance: Digital Angklung
SESSION 2: Classroom Session				
11:40	-	11:45	5	Announcement for Classroom Session (optional for Session 1 Speakers)
11:45	-	12:45	60	Lunch Break
12:45	-	16:15	210	Classroom Session
16:15	-	16:25	10	Session transition: participants move for Afternoon Coffee & Session 3
SESSION 3: Closing Session (Auditorium)				
16:25	-	16:45	20	Afternoon Coffee
16:45	-	17:00	15	i. Best Paper Announcement by MC ii. Closing by MC iii. Closing Performance (Digital Angklung)
17:00				Event ends

PARALLEL SESSION

ROOM 1 (521)

Time (UTC+7)			Dur (min)	
Classroom Session				Room 1 (508) Moderator: Citra Eka Putri, S.I.Kom, M.I.Kom
13:00	-	13:05	5	Session Opening by Moderator
13:05	-	13:20	15	ICCD2024007 HOW LOYAL THE CUSTOMER TO RECYCLED PRODUCT Dewi TAMARA, and Anita MAHARANI
13:20	-	13:35	15	ICCD2024034 IMPLEMENTATION OF TESLA BI (TEKNOLOGI ENERGI SURYA LINTAS ANTAR BIDANG ILMU) ON FUTURISTIC SEATING AT TLC (TEACHING AND LEARNING CENTRE) AMARI Muhammad Hafizd Ibnu Hajar, Rizky Dinata and Lukman Medriavin Silalahi2
13:35	-	13:50	15	ICCD2024044 ECOENZYM WORKSHOP: A STEP FOR ZERO WASTE AT HOUSEWIVES GROUP RT.13 PONDOK BETUNG, TANGERANG SELATAN Anggun PUSPITASARI, Arin FITHRIANA, and Putra TAQWA
13:50	-	14:05	15	ICCD2024053 COMMUNITY ECONOMIC EMPOWERMENT THROUGH LIMITED LAND UTILIZATION IN GAGA VILLAGE, LARANGAN DISTRICT TANGERANG CITY Slamet MUDJIJAH, Diah Ayu Sekar ASTUTI, Priyambada Bagus ARTANTA
14:05	-	14:20	15	ICCD2024058 GREENPRENEURSHIP DEVELOPMENT FOR THE YOUNG GENERATION: INCREASING THE ECONOMIC VALUE OF COCONUT FIBER WASTE Yuni KASMAWATI, Slamet MUDJIJAH, Ratna UJIANDARI, and Priyambada Bagus ARTANTA

16:05	-	16:20	15	ICCD2024049 WORKSHOP ON PREVENTING SEXUAL VIOLENCE IN PUBLIC SPACES USING PSEA POLICY TO IMPROVE THE RIGHTS OF BADUY WOMEN Fany N. R. HAKIM, and Shinta JULIANTI
15:35	-	16:35	60	announced by Moderator

ROOM 8 (529)

Time (UTC+7)			Dur (min)	
Classroom Session				Room 8 Moderator: Andi Pajolloi Bate S.I.Kom., M.A.
13:00	-	13:05	5	Session Opening by Moderator
13:05	-	13:20	15	ICCD2024005 EXAMINING THE EFFECTS OF DIGITAL WALLET USE ON CONSUMERS Brett HOLLIS, Nanda ANGELINA, and Dewi TAMARA
13:20	-	13:35	15	ICCD2024012 MOBILE APPLICATION FOR MONITORING THE GROWTH OF DONATED KIRAY TREES ON THE CISADANE RIVERBANK Sofyan1, Jonathan Edwards Telambanua, Adji Putra Nugraha Kusuma, Nicholas Ananda Khosasi, Nina Tania Lestari, Intan Mahardika, Pantri Heriyati, Suryadiputra Liawatimen, Ezra Peranginangin, dan Winda Astuti
13:35	-	13:50	15	ICCD2024017 Building A Datamart for Dashboard Design to Decision Support System of Legal Division Julio KEVIN, Gamaliel Francisco WIDODO, Indrajani INDRAJANI, Hendy Risdianto WIJAYA
13:50	-	14:05	15	ICCD2024046 MEDIA DEVELOPMENT OF EDUCATION AND PROMOTION BASED ON LEARNING MANAGEMENT SYSTEM (LMS) AT NURUL HIDAYA ISLAMIC BOARDING SCHOOL, CIJERUK-BOGOR Denik Iswardani WITARTI, Pipin Farida ARIYANI, and Atik ARIESTA

14:05	-	14:20	15	ICCD2024055 IMPLEMENTATION OF EDUCATIONAL GAME "FIRE MITIGATION" AUDIO BASED FOR BLIND PERSONS DISABILITIES WITH MDA FRAMEWORK METHOD Ricky Widyananda PUTRA, Fatma MISKY, and Ahmad THABATHABA'I
14:20	-	14:35	15	ICCD2024060 DIGITAL TRANSFORMATION AND SUSTAINABILITY OF CULTURAL COMMUNITIES Rocky Prasetyo JATI
14:35	-	14:50	15	ICCD2024065 STRATEGIES FOR ORGANIZATIONAL CHANGE AT RAGUNAN ZOO PARK TO ACHIEVE SUCCESS IN IMPLEMENTING INFORMATION TECHNOLOGY Zahera Mega UTAMA, Siti ASYIAH
14:50	-	15:05	15	ICCD2024087 SOCIALIZATION AND TRAINING ON THE USE OF QUICK RESPONSE CODE INDONESIAN STANDARD (QRIS) FOR DIGITAL PAYMENTS IN UMKM HUTAN BAMBU BEKASI Siti Aminatu ZUHRIA, Lisa RATNASARI and soecahyadi
15:05	-	15:20	15	ICCD2024094 OPTIMISATION OF THE AYAHASI WEBSITE (OPSI) AS A SELF-LEARNING MEDIA FOR THE AYAHASI INDONESIA COMMUNITY Megah STEFANI, Athiya FADLINA
15:20	-	15:35	15	ICCD2024064 HUMAN TRAFFICKING CHILD COMMERCIAL SEX WORKERS AS VICTIMS SEXUAL EXPLOITATION Monica MARGARET
15:35	-	15:50	15	ICCD2024005 EXAMINING THE EFFECTS OF DIGITAL WALLET USE ON CONSUMERS Brett HOLLIS, Nanda ANGELINA, and Dewi TAMARA
15:50	-	16:05	15	
16:05	-	16:20	15	
15:35	-	16:35	60	announced by Moderator

CONFERENCE BACKGROUND

The main issues addressed at the conference are related to ADVANCING ECO-FRIENDLY AND ZERO WASTE. The global environmental challenges of today demand innovative and sustainable solutions to ensure a better future for the planet. In line with these goals, The 6th ICCD 2024 seeks to bring together experts, academics, policymakers, and practitioners to explore new frontiers in sustainable practices.

This seminar aims to highlight the importance of eco-friendly strategies and the zero-waste movement in combating environmental degradation. By promoting green technologies, circular economy principles, and sustainable lifestyle changes, the event will foster interdisciplinary discussions and collaborative efforts toward minimizing waste, conserving resources, and reducing the carbon footprint.

Special Topics

- Green Economics
- Blue Innovation and Economics
- Quality Education
- Digital Marketing
- Information and Knowledge Management
- Information System and Technology
- Eco Tourism
- Topics to SDGs

Objectives

The conference objectives are to promote academic and community development research outcomes, to establish main channel of exchanging community development activities and share information regarding community development.

Target Participants

Academicians, professionals, policy maker, business owners, students, and other interested in promoting organizational performance excellence are encouraged to attend this conference.

KEYNOTE SPEAKERS



Dr. Yulius, M.A.
Deputi Bidang Usaha Mikro Jakarta - Kementerian Koperasi dan UKM (KemenKopUKM)

INVITED SPEAKERS



Prof. Dato' Dr. Hasnah Hj. Haron
Research Fellow Faculty of Economics and Muamalat - Islamic Science University of Malaysia



Dr. Malliga Marimuthu PhD MBA MA BA(Hons)
Senior Lecturer, Marketing, La Trobe Business School - La Trobe University, Melbourne, Australia



Prof Esyin Chew
Director of EUREKA Robotics Center, Cardiff Metropolitan University, Wales, UK



Teguh Amor Patria, A.Par., PGDip., MPPar., Ph.D
BINUS University Lecturer - Represented Burapha University International College, Thailand

FOREWORD FROM GENERAL CHAIR OF INTERNATIONAL CONFERENCE ON COMMUNITY DEVELOPMENT (ICCD) 2024

Dear Colleagues,

The first and foremost mission of any higher education institution is the community development who are well prepared to take a part of Sustainable Development Goals. This International conference have been contributing knowledge and providing the way where any productive system is geared to develop theory and practical towards studies, solution and innovation.

Within 6 years conference, the fifth universities have been committed to be responding society challenge of national and global studies. Despite of apparent disparity in their progress, it has become essential to foster bonding among higher education institutions and related establishments particularly within Asia pacific countries. Consequently, is crucial for any higher education institution to collaborate with each other and learn from others' experiences and advanced community development program.

This is the where the role of any academic conference is vital in strengthening mutual understanding among universities. With more than 80 presenters, we are strongly believing that International Conference on community development 2024 organized by BINUS University, Mercu Buana University, Sahid University, Budi Luhur University and Moestopo University will provide the opportunity to network with colleagues and contribution.

We sincerely hope that we can continue towards promoting global partnership and development among international higher education. Special thanks to Islamic Science University of Malaysia, International College, Burapha University, Chonburi, Thailand, La Trobe University-Australia, and Cardiff Metropolitan University-United Kingdom.

On behalf of BINUS University, we would like to express our gratitude to all participants who have contributed to fostering and empowering society and sharing best practices on ICCD 2024.

Best Wishes.



Retno Dewanti, S.Si., M.M., Ph.D
General Chair of ICCD 2024

FOREWORD FROM RECTOR OF BINUS UNIVERSITY
INTERNATIONAL CONFERENCE ON COMMUNITY DEVELOPMENT (ICCD) 2024

Distinguished Guests and Participants, Excellencies,
Ladies and Gentlemen,

On behalf of the ICCD 2024 conference organizers, I would like to express my highest appreciation to our Keynote Speaker, the Deputy for Micro Enterprises of Jakarta, Ministry of Cooperatives and Small and Medium Enterprises, Dr. Yulius, M.A., as well as our distinguished speakers:

- Research Fellow, Faculty of Economics and Muamalat - Islamic Science University of Malaysia, Prof. Dato' Dr. Hasnah Hj. Haron
- Senior Lecturer - La Trobe Business School, Australia, Dr. Malliga Marimuthu
- Director of EUREKA Robotics Center - Cardiff Metropolitan University, Wales, United Kingdom, Prof. Esyin Chew.
- Chair of B.B.A.Program - Burapha University International College - Sirintorn Thepmongkorn that will be represented Teguh Amor Patria, A.Par., PGDip, MPPar., Ph.D (BINUS University Lecturer)

It is a privilege for me to stand before you all at this event, which addresses a theme that is both highly relevant and urgent today: the realm of micro, small, and medium enterprises (MSMEs) with a focus on zero waste and eco-friendly business practices. Consequently, BINUS University is actively collaborating with four other universities: Mercu Buana University, Sahid University, Budi Luhur University, and Prof. Dr. Moestopo University (Religious). This year marks the second time BINUS University has hosted the ICCD since 2018. This theme aligns with BINUS University's vision of being a world-class university: fostering and empowering society in building and serving the nation, as well as with our collective commitment to achieving the Sustainable Development Goals (SDGs) established by the United Nations, particularly in the context of sustainable economic development.

We also invite academics, researchers, practitioners, and stakeholders to share knowledge and experiences in creating a business ecosystem that is not only financially beneficial but also environmentally responsible. With strong collaboration among universities, industry, and government, we can drive the transformation needed to achieve sustainable development goals, particularly in the context of MSMEs. I hope this conference serves not only as a platform for exchanging ideas but also as a catalyst for concrete actions that can be applied in the field. Let us work together to realize a more sustainable and eco-friendly business landscape for future generations. Thank you all for your presence and participation. Enjoy the conference!

Best Wishes.



Dr. Nelly, S.Kom., M.M., CSCA
Rector of BINUS University

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MEDIA DEVELOPMENT OF EDUCATION AND PROMOTION BASED ON LEARNING MANAGEMENT SYSTEM (LMS) AT NURUL HIDAYA ISLAMIC BOARDING SCHOOL, CIJERUK-BOGOR

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ABSTRACT

This paper identified two main problems at Nurul Hidayah Islamic Boarding School (Pondok Pesantren). First, the school has limited access to learning materials and relies on printed books. Learning assessment there are conducted conventionally through face to face by giving memorization test. Students (called Santri) have to take a written test every six months. Second, the existence of the Pondok Pesantren Nurul Hidayah is less know. Their promotional activities only carried out by word-of-mouth. This community service activity (PKM) proposed a solution to address those problems. To improve learning process at Pondok Pesantren, PKM developed a Learning Management System (LMS). To improve its visibility, it installed a Search Engine Optimization (SEO) on the LMS website. This PKM uses *the Participatory Action Research (PAR) method, consisting of several stages: problem identification at the Ponpes (to know); problem analysis (to understand); activity planning (to plan); LMS development; administrator training (to act); and evaluation (to change).* As an outcome, PKM in Pondok Pesantren Nurul Hidayah has established an LMS structure for online learning. Their teachers (called Ustad and Ustadzah) have been trained for LMS usage. SEO adjustment have been installed to increase their visibility in search engines.

Keywords: learning media, LMS, pondok pesantren, promotion, SEO

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INTRODUCTION

This community service activity (PKM) was developed in order to assist the Indonesias goverment meet its obligation to achieve the 17 Goals and 169 targets of the Sustainable Development Goals (SDGs). PKM activities is to contribute at achieving Goal 4 which relates to Quality Education. Specifically, Goal 4 states: "Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all." Improving the quality of education is important to achieve the other goals, and for enhancing Indonesia's Human Development Index (HDI) (Kementerian PPN/Bappenas).

The focus of this PKM is to achieve Target 4.4 of Goal 4 of the SDGs. In the Social Development Pillar Book from the National Development Planning Agency (Bappenas) highlights Targets 4.4 as aiming to increase, by 2030 significantly, the number of youth and adults with relevant skills, including technical and vocational skills for decent work and entrepreneurship. The indicator mentioned in 4.4.1 (a) is the proportion of youth (aged 15-24 years) and adults (aged 15-59 years) with information and communication technology (ICT) skills (Nasional, K. P. P., 2020).

Pondok Pesantren Nurul Hidayah is facing the issues that relevant to this target. As an islamic boarding school that conduct a traditional education, Pondok Pesantren Nurul Hidayah is confronted with the challenge of relevance and attractiveness in the era of technological development. Nurul Hidayah has two types of students (santri) namely residential students and non-residential students. For non-residential students, the learning begins above 7.pm after the evening prayer time (Ba'da Isha) because most of them must work or attend regular school during the day. Meanwhile, learning class residential students start from 8.00am to 9.00pm. Learning process is still conducted in conventional way. The learning method is entirely done face to face in pondok pesantren. It is relying on printed textbooks. To evaluate their materials, each santri had to test based on memorization. The formal evaluation was conducted every six months by a written exam.

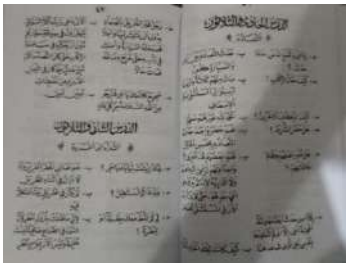

Figure 15. Printed Textbook as Learning Material

In the digital era, Nurul Hidayah also having a problem regarding its visibility. Historically, this school founded in 2005 by Drs. Ece Hidayat. The location of Pondok Pesantren Nurul Hidayah was relocated in 2019 due to the construction of the Bogor-Yogyakarta railway line. It significantly affected this pondok pesantren. The relocation reduced the number of santri, and forcing Nurul Hidayah pioneering to rebuild from scratch. This Islamic Boarding School primarily only known to the local community around the pondok pesantren. To date, the school's promotion efforts have relied solely on word-of-mouth. The lack of recognition of Nurul Hidayah as islamic boarding school in digital platform needs to address.

This PKM designed to solve those problems faced by Nurul Hidayah Islamic Boarding School. The development of a Learning Management System (LMS) and setting SEO on the LMS web are suitable solution for pondok pesantren (Mahbub, M. A., 2021). It will bring modernization to boarding school. LMS allows santri to learn online and enable access learning materials or recorded lesson more flexibly (Muklason, A., 2023 & Fatimah, T., 2018). A smartphones-based learning application is also used to increase santri engagement and motivation to study (Fauzi, N., 2021). This demonstrates the traditional boarding school's adaptation to technological developments in education (Mukhid, M. P., 2023). Installed SEO for the LMS web is important to improve the website's ranking in search engines. As a result, pondok pesantren will be more easily found by prospective students or their families when searching for islamic educational institutions.

METHOD

This community service activity used the *Participatory Action Research* (PAR) method. This method is a participatory approach aimed to solve problems and addressing needs of society, producing knowledge, also facilitating the process of religious social change (Afandi, A., 2022). Figure 2 below shows how a cycle of PKM activities with PAR method.

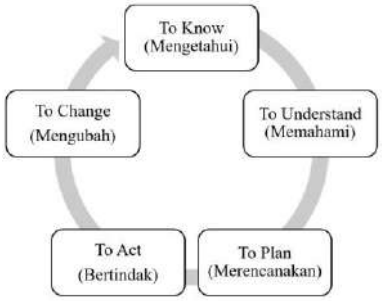

Figure 16. The cycle of PKM Activities with PAR method

The PKM cycle using PAR method involves five main stages:

1. First stage - To Know. Identify problems in Nurul Hidayah Islamic Boarding School. The PKM team identified that pondok pesantren hava limited access to learning materials and the lack of visibility. In this first stage, school administrators, teachers (ustadz/ustadzah), and santri are interviewed.
2. Second stage - To Understand. Analyzing the problems that have been identified. The team also review some relevant literature to provide solutions. The outcome in this stage is the development of LMS and configuring SEO for LMS.
3. Third stage - To Plan. Based on the outcome, the team planned details LMS such as designed its homepage and SEO configuration for LMS. The team also planned training session for their administrators, ustadz/ustadzah and santri.

4. Fourth stage - To Act. This stage focuses on implementation base on plan that already made. Activities that already done in this stage were designing the website, optimizing SEO, and conducting training for administrators and teachers on using the LMS.
5. Fifth stage - To Change. It is a final stage of the cycle to emphasize the result. It carried out by evaluating the LMS and SEO configurations. The PKM team distributed questionaries to those who will use the LMS, to assess the LMS usability. meanwhile SEO performance was evaluated based on the number of new visitors to the LMS website. The result of the fifth stage is also included the dissemination of the PKM activities to the wider public.

The problems that identified at the Nurul Hidayah Islamic Boarding School need a multidisciplinary approach from two fields of knowledge: social sciences and information technology. Theredore, the PKM team consist of one lecturer from Magister of Communication Science and two lecturers from the Faculty of Information Technology, Budi Luhur University, Jakarta. This PKM also involved one student from the Faculty of Information Technology.

RESULTS AND DISCUSSION

Nurul Hidayah Islamic Boarding School is an islamic educational institution under the Ece Hidayat Islamic Education Foundation founded by Drs. Ece Hidayat in 2005. At the beginning, it was initially as a religious studi group (majelis ta'lim). It had not yet received an official recognition from the goverment. Slowly, it continued to grow and now officially registered as islamic boarding school under the Ministry of Religious Affairs Republic of Indonesia pesantren statistical number 510032011505). Nurul Hidayah Islamic Boarding School is located in Kampung Pondok Bitung RT 003 RW 004 Village Sukaharja, Cijeruk District, West Java Province (Figure 3).



Figure 17. Location of Nurul Hidayah Islamic Boarding School & Distance from Budi Luhur University

This pondok pesantren has 10 Ustad/Ustadzah, 2 female boarding supervisors, 2 male boarding supervisors, and 3 kitchen managers. The age of students or called as santri at Pondok Pesantren Nurul Hidayah categorized as teenager, which is the target age for the SDG Goal 4.4. Most of their santri originally from the surrounding community of pondok pesantren.

This pondok pesantren already has a website with the address https://ppnurulhidayah.com (Figure 4). The website provides information about the profile of Nurul Hidayah as an islamic boarding school, news and activitivities carried out by pondok pesantren. It also uses for some announcement and event agenda at Pondok Pesantren Nurul Hidayah. On the front page there is a banner related to the registration of new students that provides contact information for registration. Although, the management of Nurul Hidayah not yet optimize their website because not widely known by the public. People need to know the address to access this website since it has not appeared in search engine.



Figure 18. Front Page of https://ppnurulhidayah.com

The implementation of this PKM has successfully installed and configured Moodle LMS at Nurul Hidayah Islamic Boarding School website (Figure 5). The installation process included server preparation, ensuring the server met the specifications required by Moodle, downloading the Moodle installation package from the official site, extracting the installation package, and performing the initial setup through the Moodle installation wizard. Initial configuration steps were also successfully completed, including setting up the site name, time zone, language, creating an administrator account, and configuring access permissions.



Figure 19. LMS of Pondok Pesantren Nurul Hidayah

The Moodle LMS homepage of Pondok Pesantren Nurul Hidayah was designed more attractive and informative for user. Theme of homepage was customized that match with the visual of islamic boarding school. Colors, fonts and layout were configured to be consistent with its branding.

To increase the visibility of the Moodle LMS page on search engine, this PKM has applied SEO setting configuration into several steps. First, it was identifying some relevant keywords associated with Pondok Pesantren Nurul Hidayah, Cijeruk. Then, it included those keywords in the LMS page content suh as in titles, descriptions and texts. It continued with the optimization of meta tags such as page titles, descriptions and meta keywords for each page of LMS. Hopefully, all those steps brought Moodle LMS page of Pondok Pesantren Nurul Hidayah more visible and easily accessed online by users.

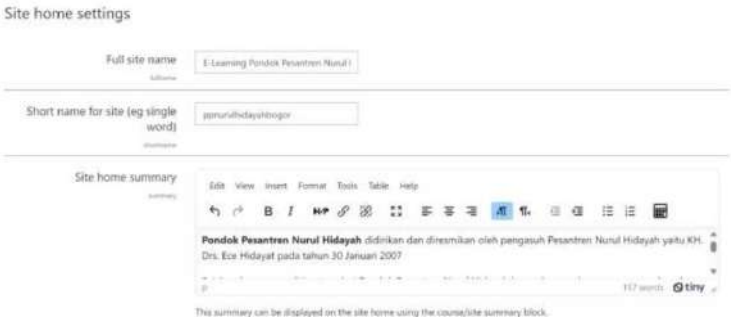

Figure 20. Keyword on Nurul Hidayah LMS setting

As final stage of PKM activity, the evaluation was carried out. The team distributed questionaries to all participants. Ustadz/ustadzah - represented teachers and administrators who had participated in the LMS training submitted some feedbacks. The assessment uses a Likert scale with a rating scale 1 for strongly disagree to 5 for strongly agree. The questions exercise with Use Questionnaire which consists of 4 categories of questions, namely Usefulness, Ease of Use, Ease of Learning, Satisfaction (Lund, A. M., 2001) and use feasibility category assessment (Kusuma, 2016). Figure 7 shows the total score of this assessment. While Figure 9 shows that the usability of the Nurul Hidayah Islamic Boarding School LMS from the usefulness category got a decent score (78%). The ease of use category got a decent score (71%), and the ease of learning category got a decent score (73%). Finally, the satisfaction received a decent score (79%).

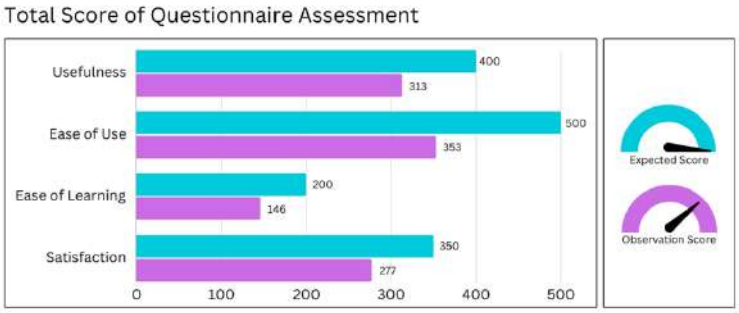

Figure 21. Graph of the Results of the Use Questionnaire Assessment Scores

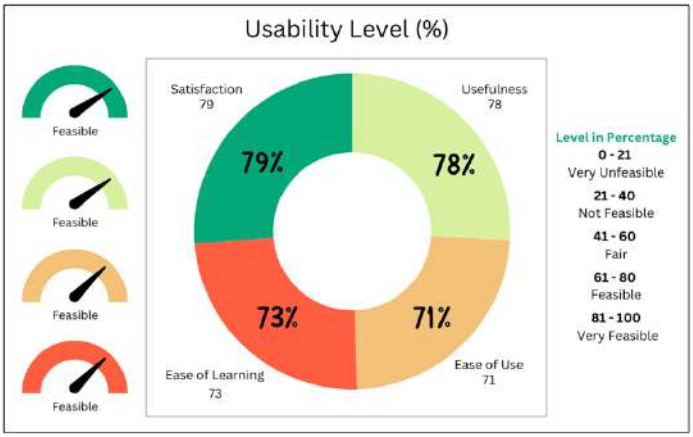

Figure 22. Feasibility Category Assessment

CONCLUSION

Learning Management System is a step to start the modernization at Nurul Hidayah Islamic Boarding School. Learning methods in traditional islamic boarding school will be more attractive by utilizing technology. LMS can support a more interactive learning process at Pondok Pesantren Nurul Hidayah. LMS in this boarding school was created using Moodle, starting from the installation to the configuration stage and making it ready to be used as a learning medium. Teachers (Ustad and Ustadzah) have been trained by the team in using the LMS. Students (Santri) are also introduced to LMS and feel more interested to study. These means that all parties in islamic boarding school are technologically literate. Communication and interaction between them now more interactive involving internet. Although they are not yet fully accustomed to it, this PKM recorded their enthusiasm for continuing to develop more interactive learning materials.

The LMS configurations at Pondok Pesantren Nurul Hidayah website also includes Search Engine Optimization settings. This configuration hopefully will increace the visibility of the Pondok Pesantren Nurul Hidayah LMS page on search engines. Visibility on SEO could promote the Nurul Hidayah Islamic Boarding School, so this school will be widely known by public outside the village of Sukaharja, Cijeruk - Bogor.

The next PKM activity can be design for training program that focuses on teacher. PKM can be aimed to produce a learning material in the form of modern or more enjoyable content that suitable with the teenage. This PKM found that all Ustad and Ustadzah appear to be familiar with the internet, so the next program will further optimize their use of gadgets. The LMS does not require complext applications, so santri can access it through their own smartphone. Santri should also be equipped to make better use of internet to learn and gain more knowledge. PKM activities will greatly assist the government to fulfill the Target 4.4 of SDG, and it should be continued by all stakeholders.

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