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A SOLUTION APPROACH TO DIGITALIZATION CHALLENGES IN ISLAMIC BOARDING SCHOOLS: COMBINING TRADITION WITH TECHNOLOGY

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ABSTRACT

This research investigates the integration of technology in Islamic boarding school education at the Darussalam Islamic Boarding School Blokagung, Banyuwangi. The aim is to understand the implementation of social media for dakwah and education, technology-based assessment systems, and library digitalization in the context of Islamic boarding schools. The research method used is a qualitative approach with a case study at the Darussalam Islamic Boarding School, Blokagung, involving teaching staff, Islamic boarding school managers and students as the main informants. Data collection techniques will be collected through interviews and participatory observation in daily activities at the Darussalam Islamic Boarding School Blokagung. The research results show that the integration of technology with traditional values can improve the quality of education and expand the positive impact of Islamic education in Islamic boarding schools.

Keywords: *Islamic boarding school digitalization, tradition, technology*

A. Introduction

Digitalization in Islamic boarding schools No only about adoption technology will be but about How integrate technology the with tradition Islamic boarding school that has there is , so produce harmonious and sustainable solutions (Suroso et al., 2021) ; (Mursidi et al., 2021) . Technology can used For spread more Islamic values and teachings widely , through social media , websites and applications online learning . Study show that integrated Islamic boarding school technology experience enhancement participation Students in activity Study teaching

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(Salsabila et al., 2022) . This matter show that technology can interesting interest Students without sacrifice values traditional . With thereby integration technology in boarding school No only simply adoption tool new , however about create harmony between technology and tradition For produce solution sustainable that can be increase participation students and spread it more Islamic teachings wide without sacrifice values traditional .

Study about challenge digitalization integrated Islamic boarding school tradition Already Lots done . Boarding school need adapt with development technology For still relevant in the digital era (Mukarromah et al., 2024) ; (Muhith et al., 2023) ; (Nikmatullah et al., 2023) . Study This important For understand How boarding school can integrate technology without sacrifice tradition . The Ministry of Religion regularly releases report about development digitalization in Islamic boarding schools (Kurniawati, 2017) . Report This covers challenges and successes experienced boarding school in integrate technology with tradition they . With thereby study about challenge digitalization integrated Islamic boarding school tradition important done For help boarding school adapt with technology without sacrifice values traditional , with support regular reports from the Ministry of Religion that record development, challenges and success they .

Study This aim For give overview of integration strategy technology and traditions at the cottage boarding school . Boarding school need still relevant and interesting for generation familiar youth with technology (Rizaldi et al., 2022) ; (Saifullah Aldeia et al., 2023) . The integration strategy presented in study This can help boarding school reach matter the . The Ministry of Religion regularly releases the report shows developments and challenges in digitalization boarding school . Report

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This give proof that There is need urge for an effective strategy in integrate technology and tradition (Santiana et al., 2022) . With thereby study This aim For give overview of integration strategy technology and traditions at the cottage boarding school to remain relevant for generation young people , which is strengthened by the Ministry of Religion report which shows need urge will be an effective strategy in digitalization boarding school .

In this context, this research will propose that integrating technology in Islamic boarding school education can be successful if there is a holistic and integrated approach. Through case studies in several Islamic boarding schools, this research will identify factors that support or hinder technology adoption, as well as their impact on the quality of education and maintenance of religious values. Thus, it is hoped that this research can provide practical recommendations for increasing the use of technology in the context of Islamic boarding school education, which can be widely applied to strengthen the role of Islamic boarding schools in facing the challenges of digitalization.

B. Method

The object of this research is the Darussalam Islamic Boarding School Blokagung, Banyuwangi, which has adopted technology in various aspects of their education. This Islamic boarding school was chosen as a case study to gain an in-depth understanding of the implementation of technology in the context of Islamic boarding schools in the area. Purposive sampling theory (Budiman & Rosmiati, 2020) was used to select this Islamic boarding school because it is representative and relevant to their experience in integrating technology.

This research uses a qualitative approach with a case study method.

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This approach allows researchers to gain an in-depth understanding of the unique context of the Darussalam Blokagung Islamic Boarding School, including how they implement technology in education and da'wah. Case studies are also in accordance with theory which emphasizes the use of case studies in qualitative research to explore complexity and specific contexts (Efrem Jelahut, 2022).

The main informants in this research are teaching staff, Islamic boarding school managers, and students who are directly involved in the use of technology at the Darussalam Blokagung Islamic Boarding School. Purposive sampling technique will be used to select informants who have relevant experience and knowledge related to technology implementation. Data triangulation theory (Susanto et al., 2023) will be applied to ensure data validity by combining information from various sources. The following is a table of informants for research regarding technology implementation at the Darussalam Islamic Boarding School Blokagung, Banyuwangi, using purposive sampling techniques and data triangulation to ensure data validity:.

This research will involve a total of 18 informants consisting of teaching staff, Islamic boarding school managers, and active students who were selected based on the criteria of relevance and experience in using technology in the context of the Darussalam Islamic Boarding School, Blokagung.

Data collection techniques will be collected through in-depth interviews with teaching staff and Islamic boarding school managers, as well as group discussions with students who actively use technology in their education. Participatory observation will also be carried out to directly observe the implementation of technology in daily activities at the Darussalam Blokagung Islamic Boarding School. This approach is in line with the theory of Cohen et

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al. (2011) which emphasizes the importance of collecting in-depth and diverse data in qualitative research (Rifa'i, 2023) . The collected qualitative data will be analyzed using a thematic analysis approach. This approach allows researchers to identify thematic patterns or motifs that emerge from the data, as well as interpret them in a relevant theoretical context (Sitasari, 2022) , (Rozali, 2022) . The thematic analysis will enable the disclosure of various aspects of how the Darussalam Blokagung Islamic Boarding School integrates technology in their education and its impact on the learning process and the traditional values of the Islamic boarding school.

C. Results And Discussion

Utilization of Social Media for Da'wah and Education in Islamic Boarding Schools

The Darussalam Blokagung Islamic Boarding School uses social media as the main tool for dakwah and education. The educational content developed specifically for this platform not only supports Islamic learning but also increases students' understanding of Islamic teachings. The active involvement of the Islamic boarding school community in online activities was also recorded as high, showing broad participation in spreading Islamic values through social media. Social media provides a broad and easily accessible platform for Islamic boarding schools to reach a wider audience globally. By utilizing social media, Islamic boarding schools can promote Islamic values effectively and expand the positive impact of Islamic education. Da'wah activities at the Darussalam Blokagung Islamic boarding school are through the use of platforms such as YouTube, Facebook, Tik Tok and Instagram. The use of social media is depicted in a circle diagram

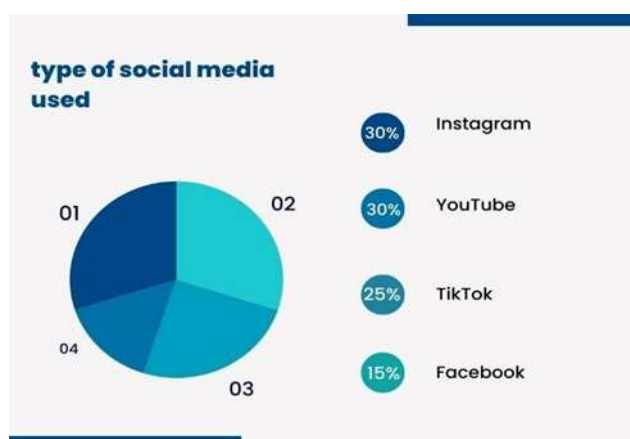
Figure 1. Use of social media for preaching and education boarding

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school



Source: processed by researchers

Based on the circle diagram above, it shows that the use of platforms as a medium for dakwah at the Darussalam Blokagung Islamic boarding school is through Instagram, YouTube, TikTok and Facebook. The percentage of platforms used in the form of Instagram and YouTube is mostly used for dakwah and education, with a percentage of 30% each. This is because Instagram and YouTube are the media that are most in demand by alumni as a whole. Meanwhile, TikTok and Facebook are also used for da'wah and education, with percentages of 25% and 15% respectively. The content presented is information on Islamic boarding school activities, maqolah kyai, education, etc. Educative content designed specifically for social media also helps improve the quality of students' learning and facilitates a deeper understanding of Islamic teachings.

The Islamic boarding school's approach in utilizing social media for dakwah and education not only strengthens Islamic values in the eyes of the public but also supports the students' learning process globally. By involving Islamic boarding schools in the wider community through social media, this integration expands the reach of dakwah and increases

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the positive impact of Islamic education. In this way, social media has an important role in disseminating information in Islamic boarding schools. This agrees with Badi'ah et al (2021). Based on mass communication theory (Siti Rohmah, 2021), social media has an important role in disseminating information and influencing public perception.

Technology-Based Assessment in Islamic Boarding Schools:
Increasing Accuracy and Efficiency

Islamic boarding schools implement a technology-based assessment system to increase accuracy and efficiency in managing student learning outcomes. The use of specialized software allows teachers to more easily manage and analyze assessment data, while adequate training is provided to teachers to ensure effective use of the system. Technology-based assessment provides significant advantages in managing and analyzing learning outcome data more accurately and efficiently. Technology-based assessment at the Darussalam Blokagung Islamic boarding school uses an assessment system using an application which includes features that include assessing students' daily lives, students' achievements, morals and so on. The image of the Santri application as a technology-based assessment is as follows.

Figure 2. The Santri Application



Source: documentation results.

By adopting this technology, Islamic boarding schools can improve better decision making in an effort to support the students' learning process. This expression was strengthened by Rizaldi et al (2022). Educational evaluation theory (Inanna et al., 2021) , (Rosyidah & Wantini, 2021) emphasizes the importance of accurate and efficient assessment to support an effective learning process. By using technology in assessment, Islamic boarding schools can optimize data collection and analysis of student learning outcomes, which ultimately improves the overall quality of education in Islamic boarding schools. Digitization of Islamic Boarding School Libraries

Islamic boarding schools have succeeded in digitizing libraries to provide

easy access to thousands of classical books through digital platforms such as "Maktabah Syamilah." Student participation in library activities has increased significantly since digital access was introduced. The

digitalization of libraries allows students to access various classical Islamic literature more easily and

efficiently. This is because students usually have to bring various kinds of books to study, now it is available on a digital platform in the form of Maktabah Syamilah which contains various kinds of books which are of course easier to carry and more efficient. The image of the Maktabah Syamilah application is as follows.

Figure 3. Maktabah shamilah



Source: documentation results

This application not only increases students' reading interest but also expands the reach of literacy in the Islamic boarding school environment. This expression is strengthened by Isti'anah and Wahyuningsih (2021). Based on the diffusion of innovation theory (Verona et al., 2023) the adoption of new technology in a traditional cultural context can be successful if the technology is integrated with existing values. The digitalization of Islamic boarding school libraries is an example of how technology can be used to expand access to

knowledge and preserve the core values of Islamic boarding schools in the digital era.

D. Conclusion

Based on the discussion of several findings above, it can be concluded that the Darussalam Blokagung Islamic boarding school has adopted a solution approach that combines tradition with technology in facing the challenges of digitalization. The use of social media such as Instagram, YouTube, TikTok and Facebook has succeeded in becoming the main tool for dakwah and education, increasing the involvement of students and expanding the positive impact of Islamic education. In addition, the implementation of a technology-based assessment system has increased accuracy and efficiency in managing student learning outcomes, and the digitalization of libraries through platforms such as Maktabah Syamilah has expanded access to classical Islamic literature. This approach not only strengthens Islamic values in the eyes of the public, but also supports the global learning process and improves the quality of education in Islamic boarding schools. Thus, the Darussalam Blokagung Islamic boarding school shows that the integration of technology with traditional values is able to provide effective solutions in facing changing times towards the digital era..

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