The Effect of 3T School Digitalization in the Era of the COVID-19 Pandemic

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Abstract: This study aims to determine whether digitizing 3T schools in the era of the covid-19 virus pandemic. The type of research used is survey research using quantitative descriptive analysis. The research design is Ex-Post Facto. The subjects in this study are 40 3T school teachers in four districts on the island of Flores (Nagakeo Regency, East Manggarai Regency, Manggarai Regency, and West Manggarai). The results showed that the number of respondents who answered in the agree category got the highest number, namely 19 people with a percentage of 47%. In the strongly agree category, there were 16 people with a percentage of 40%, the category did not agree. Five people with a percentage of 13%, and none. Who chose the category strongly disagree (percentage 0%). From this, it can be concluded that school digitization has a positive effect during the COVID-19 pandemic; this can be seen from the number of teachers in the 3T region who chose the agreed category, namely 19 people (47%).

Keywords: Digitization; COVID-19; Teacher; Flores; 3T region.

Introduction

In December 2019, pneumonia of unknown origin was reported in Wuhan, Hubei Province, China. Analysis of its genome showed the virus as a new coronavirus related to SARS-CoV, hence the name severe acute respiratory syndrome coronavirus (Ciotti, et al., 2020; Fathurrahim, et al., 2021). This virus quickly spread to other countries and, in a short time, became a world pandemic. This virus is known as the covid 19 virus or coronavirus disease. Indonesia is no exception. Indonesia is also part of one of the countries affected by the COVID-19 pandemic. This virus has also affected the world of education, where the teaching and learning process, which is usually carried out face to face in classrooms, must be carried out through distance learning (PJJ) with the use of technology. Information (Damopolii, Lumembang, & Ilhan, 2021; Pakpahan & Fitriani, 2020; Raiman, et al., 2021; Yurida, et al., 2021). Technological developments are happening very fast and have become part of human life (Hakim, et al., 2021). The technology developed can provide great benefits and influence on human life (Sari, 2019). (Ammah, 2018) states that in the world of education, learning must adapt and update itself to be compatible with the global world so that it can compete with modern society in today's digital world. In Indonesia, the use of digital media has grown rapidly (Affifatusholihah, et al., 2021).

Information and Communication Technology (ICT) is also beneficial for students to become active learners by creating content for viewers throughout the archipelago or the world. As we know, in the era of the industrial revolution 4.0, technological advances greatly affect the quality of people's lives. In line with government policies, 3T schools also implement these policies. 3T schools are schools that are in the front, outermost, and underdeveloped zones in Indonesia. The policy of distance learning (PJJ) and online learning

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Categories that were adjusted to the scores in the questionnaire, namely strongly agree, agree, disagree, and strongly disagree. From the calculation of the questionnaire, obtained the total score and value for each respondent, which is then from the total score and average value, minimum value, maximum value, standard deviation, and variance (can be seen in Table 1).

| Table 1. Total Score and Value of Each Respondent |
|-------------------------------------------------|
| Respondent | Total Score | Value |
| 1           | 103          | 86    |
| 2           | 77           | 64    |
| 3           | 118          | 98    |
| 4           | 78           | 65    |
| 5           | 85           | 71    |
| 6           | 86           | 72    |
| 7           | 88           | 73    |
| 8           | 102          | 85    |
| 9           | 96           | 80    |
| 10          | 86           | 72    |
| 11          | 109          | 91    |
| 12          | 93           | 78    |
| 13          | 91           | 76    |
| 14          | 106          | 88    |
| 15          | 107          | 89    |
| 16          | 102          | 85    |
| 17          | 101          | 84    |
| 18          | 101          | 84    |
| 19          | 77           | 64    |
| 20          | 68           | 57    |
| 21          | 96           | 80    |
| 22          | 62           | 52    |
| 23          | 76           | 63    |
| 24          | 65           | 54    |
| 25          | 66           | 55    |
| 26          | 87           | 73    |
| 27          | 64           | 53    |
| 28          | 85           | 71    |
| 29          | 107          | 89    |
| 30          | 94           | 78    |
| 31          | 109          | 91    |
| 32          | 103          | 86    |
| 33          | 102          | 85    |
| 34          | 105          | 88    |
| 35          | 92           | 77    |
| 36          | 95           | 79    |
| 37          | 102          | 85    |
| 38          | 94           | 78    |
| 39          | 92           | 77    |
| 40          | 102          | 85    |

Average 92: 77
Minimum 62: 52
Maximal 118: 98
Std Deviation 14: 12
Variant 200: 139

From the total score and value obtained, look for the maximum amount, minimum amount, average mortgage, and mortgage standard deviation (score and value). The results can be seen in Table 2.
of each category in the form of numbers and the percentage of each respondent in each category.

Teachers are the determinant of the success of learning in schools (Sadipun & Wangge, 2020). Based on the data from the research results, it can be seen that the agree category ranks at the top of the most, followed by the category strongly agree, disagree and the last one strongly disagrees. This shows that the respondents chose to agree with the implementation of school digitization in the 3T area. Respondents also stated that school digitization had a significant influence during the COVID-19 pandemic in the 3T area, especially in the NTT area (Flores Island). Based on the researchers' findings, it can be said that digitalization in schools in the 3T area had a positive influence during the pandemic. The results obtained are in line with those found by Viberg et al. (Roumbanis Viberg, et al., 2020) who found that teachers have demands to use and teach with digital technology. Digitalization-based learners became an alternative solution for completing teaching and learning activities (Salkiah, 2020). Even though it is a 3T area, the use of technology must also be made. Teachers must be innovative. Our findings reveal that teachers agree that technology and digitization have impacted their learning during COVID-19.

### Conclusion

From the results of the research conducted, it can be seen that the number of respondents who answered in the agree category got the most number, namely 19 people with a percentage of 47%, then in the strongly agree category there were 16 people with a percentage of 40%, the category disagreed with five people with a percentage of 13%. No one chose the category strongly disagree (0% percentage). From this, it can be concluded that school digitization had a positive influence during the COVID-19 pandemic; this is seen from a large number of teachers in the 3T area who chose the agree category, namely 19 people (47%).

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