

Social media-based learning in preparing year-end assessment tests for Islamic Boarding School students

By Riki Irawan

Social media-based learning in preparing year-end assessment tests for Islamic Boarding School students

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Abstract. Islamic boarding school (*Pondok Pesantren*) in Indonesia bargains the full-day school, both Islamic and exact studies. Still, in a particular case, they cannot organize it because of limited funds and human resources. This study aimed to present the practice of preparing the students (*santri*) in facing the year-end assessment of English and Mathematics subjects at the senior high school level by the expert tutors. It used a qualitative descriptive method and involved seventeen students (*santri*) from Islamic Boarding School (Pondok Pesantren) of Ajjaluna Al-Muhsin Indonesia, which observation and interview were the research instruments. It aimed to describe the process of research in preparing the students (*santri*) in facing year-end assessment through synchronous social media-based. The results showed that these media, which were Instagram live could be media for tutors to explain the tips, tricks and strategies to answer English and Mathematics examination in the year-end assessment and it can also promote the institution to the other formal schools. Therefore, the process of research in preparing year-end assessment of English and Mathematics subjects for Students at Pondok Pesantren Ajjaluna Al-Muhsin used Synchronous Social Media-Based Learning.

1. Introduction

The amount of exposure to gadgets is very high which greatly affects student learning outcomes, both positive and negative [1]. The use of gadgets is also not supervised by parents and teachers, so it is easy to use it to misuse. Through the observation process that we have done, many students feel that they are unable to follow and understand English and mathematics subjects. Many of them thought of taking additional classes outside of school, but because the costs were not small, most of them discouraged.

Education is an effort that is carried out deliberately, regularly, and plans with the intention of changing human behavior to the desired direction as an effort carried out deliberately, regularly and planning [2]. Education is one of the most important elements in the progress of a nation, namely for the development of human resources. The future of a nation will generally be determined by the quality of its education. However, the reality is that in recent years the quality of education in Indonesia has decreased. UNESCO in 2012 reported that Indonesia was ranked 64th out of 120 based on the Education Development Index (EDI) assessment. Meanwhile, Indonesia's Human Development Index (HDI) has decreased from 108 in 2010 to 124 in 2012 out of 180 countries. According to the Global League table published by Pearson Education Firm, Indonesia's ranking is in the lowest position along with Mexico and Brazil. The ranking combines international test performance and data such as graduation rates for 2006 and 2010.

Student knowledge is very broad; human resources (HR) in Indonesia are of high quality. Those way students in Indonesia are able to compete in the outside world. The quality of education has decreased due to decreased learning achievement. Learning achievement is the behavior of students that changes significantly

after carrying out the teaching and learning process according to the objectives of teaching [3]. So the decline in learning achievement is the achievement of the goals expected from the teaching and learning process.

The decline in learning achievement is mostly due to the lack of enthusiasm for learning. In addition, at home students are also lazy to repeat the material that has been taught at school [4]. When at home students prefer to watch TV and play with their friends. There are even those who do not study at home at all. This happens because of the lack of student motivation. Motivation to learn is encouragement, support, assistance to achieve learning goals in the form of changes in children's behavior expressed in the form of ruler, use. Motivation is a condition in a person's personality that encourages the individual's desire to carry out certain activities in order to achieve goals [5].

The role of mathematics education in the MEA era must involve the role of Higher Guides in developing mathematical abilities based on the results of observations in everyday life so that these problems can be easily solved with the help of mathematics [6]. So that in the short-term needs of teachers needed to participate in providing creativity and innovation in learning mathematics in students. In addition, in the learning process it is also necessary to develop stages of learning that are able to stimulate students to explore and develop mathematics in accordance with the levels and abilities of students in school so that mathematics becomes interesting and enjoyable and significantly beneficial in our daily lives [7].

Teacher competencies expected in the ASEAN community association are based on the framework of Southeast Asian teacher competencies. There are 4 categories, namely: 1) know and understand what I teach; 2) Help my students learn; 3) engage the community; 4) become a better teacher every day. The description of each category is explained in the figure below [8]. There are several teacher competencies that must be mastered namely pedagogic, professional, personality, and social. Pedagogic competence is the ability to manage student learning. Personality competence is a strong personality ability that has a noble, wise and authoritative character and is able to be a good role model for students. Social competence is the ability of teachers to communicate and interact effectively and efficiently with students, fellow teachers or colleagues' parents or guardians of students and surrounding communities. Professional competence is the ability to master material broadly and deeply [9].

Another opinion suggests that perception is defined as a process where someone organizes and interprets their sensory impressions to give meaning to their environment [10]. Thus it can be interpreted that perception is an individual's interpretation of the stimulus on an object or event that he obtained so that it becomes an experience for him. The perception of each individual can be very different even if the things observed are really the same. It can also be said that perception is the result of one's thoughts from certain situations [11].

Children who get encouragement, support and good assistance from their parents will be able to learn and make progress better than children who do not receive support and assistance [12]. But now many parents pay less attention to their children when studying. When children ask for support, help when children learn, most parents ignore it by reason of differences in teaching methods that have been obtained by teaching today. Those way students become lazy to learn [13]. Parents should respond well when children ask for help and support in learning. Having a positive reaction from the child's parents will definitely be motivated. The child will feel that he is not alone in facing the existing problems and the child will study hard [14].

2. Methods

This research is conducted at the Pondok Pesantren located at JL. PARANGTRITIS KM.3, 5 is known as Pondok Pesantren Aji Mahasiswa Al Muhsin, one of the Islamic boarding schools in Krapyak area, Yogyakarta. This type of research is a qualitative descriptive study that seeks to reveal the pattern of implementation of the social media related to student's assesment. The study was conducted by survey of students practicing the sosial media practicing related t the materials. The research variable is the achievement of competencies that is emphasized in relation to social media and the process of the discussion or learning. The study population was students of Pesantren AJYALUNA.

The research instrument is a tool used in the process of obtaining data. The instruments used in this study are as follows: (1) Observation, (2) Documentation, and (3) Interview. The research instrument in the form of documentation is used to dig up information about the guidance notes by the supervisor in the implementation of the SEA-Teacher program, student notebooks, work program matrices, and others [15]. Interviews were conducted to confirm and complete the results of the documentary and observation results. Interviews were conducted with students drawn at random with an equal number of men and women.

3. Result and discussion

In the initial activity, namely observation, the boarding school service team, managers and careers made initial introductions. The service team explains the purpose and objectives of the research, followed by the manager telling the situation and background of the students at the Ajyaluna Islamic Boarding School. The caretaker of the Ajyaluna Islamic Boarding School Dr. KH Anis Mashduqi Lc, M.Si. gave a speech as a sign of accepting and supporting the event program which will run for several sessions. The caregiver stated that he was very supportive of the implementation of the service at the Ajyaluna Islamic Boarding School which was in the form of Year-End Assessment (YEA) preparation research for senior high school or equivalent.

The results of the observations revealed that the students had regular tutoring activities every night with peer tutors in turn [16]. However, in fact they still need experts who really master the fields to be taught, especially in English and Mathematics. In these two subjects, they found it difficult when the teachers in their respective schools gave difficult assignments. Often, they could not answer the questions on the assignment even though they had held discussions that took a long time. This condition makes them feel they need a companion who is indeed an expert in the fields of both subjects so that they can easily work on questions with a more difficult level on the Year-End Assessment (YEA) and get maximum scores.



Figure 1. Invitation to the YEA Research on the Ajyaluna Islamic Boarding School official Instagram

Before the research activities began, the researcher had provided the participants with a Web address so that they could download the questions to be discussed in all research sessions. After downloading, the participants were instructed to try to work on the questions themselves on a piece of paper. There were some participants who found it difficult to answer some questions and inform them through the Whatsapp group. The service team suggested that they try to do their best because these questions will be discussed in the next question discussion session. Although with some hesitation, they finally managed to answer all the questions given and sent them through the group.

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1	B	11 D	21 C	31 A
2	C	12 B	22 A	32 D
3	B	13 D	23 B	33 C
4	A	14 A	24 C	34 D
5	D	15 D	25 E	35 E
6	E	16 B	26 D	36 B
7	D	17 C	27 A	37 E
8	C	18 D	28 C	38 A
9	D	19 B	29 B	39 C
10	E	20 A	30 C	40 B

Figure. 2 Student work results

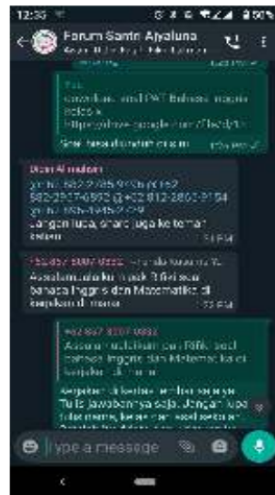


Figure.3 Coordination of managers via the Whatsapp group

The first session started at 08.00 WIB with the speaker Mr. Rifki Irawan, M.Pd. The material given is a discussion of class X English exams. The exam contains fifty questions with multiple choice types. Before the research begins, the manager reminds the students to take part in the research. The first speaker explained how to answer the questions carefully because he was worried that the participants would be left behind in listening to his discussion. During the course of the research, the participants gave messages in the comments column as a sign that they were listening to what the speaker said. The material presentation in the first session ended at 09.15. The presenter gives fifteen minutes for the participants to discuss and ask questions that are still not understood. The first question asks how they can quickly find the answer to a question that has a long text. The presenters readily answer these questions by explaining some speed reading techniques such as Scanning which make them focus on the key words to be searched for and put aside words and sentences that are not included in that keyword. The speaker also encouraged the participants to have a penchant for reading, especially English texts, so that they are familiar with words that often appear in exam questions.

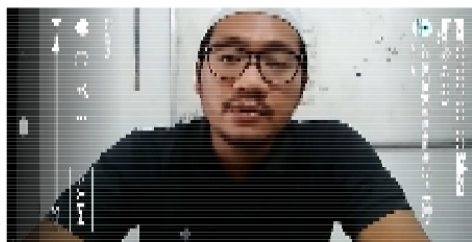


Figure.4 Presentation of the first session speaker

The research activity on the third day was a discussion of YEA Mathematics for class X. This activity was held on Tuesday, June 2, 2020 starting at 08.00 WIB. This activity also uses the Instagram application and Whatsapp groups. Research preparation is not much different from the previous session, where the manager reminds the participants to take part in the research. The third speaker, Mr. Gunawan, M.Pd. Already have the name and password of the Ajjaluna Islamic Boarding School's official account to be able to conduct online research directly through the channel. The participants had also done the exam questions by downloading the distributed documents via the Web. In this third session, the presenters discussed questions related to class X material such as powers of roots and logarithms, quadratic equations and functions and others. The style of delivery of mathematical material delivered by the third speaker has its own uniqueness. The sound of classical music accompanies him in explaining every complex math problem. Classical music played when working on math problems has an effect on student learning activities [1]. As a result, the participants seemed calmer in following each explanation, question after question.

4. Conclusion

The service activity with the theme of research to work on English and Mathematics in preparation for the YEA exam for *santri* students of the Yogyakarta Ajjaluna Islamic Boarding School went smoothly and successfully in accordance with the previously designed activity agenda. The activity lasts for four sessions, according to the needs and opportunities of the service and the boarding school.

After the end of the research, the students said that this research activity was very good and able to answer the problems experienced by them. They added that the questions discussed became a warm-up arena to prepare for the upcoming yea exam. The management of the Ajjaluna Islamic Boarding School was also helped by the sustainability of this program because they felt that visitors to the Instagram account that had been used during the research had increased dramatically and could help them in promoting this institution. Mr. DR. KH. Anis Mashduqi, M.Si. also expressed his gratitude to the service team for taking the time to work for the advancement of the boarding school. The various benefits that arise after the research include:

- a. Able to know the *scanning* and *skimming* speed reading strategy
- b. Able to master tips and tricks on English and Math problems
- c. Making it a promotional event for the Ajjaluna Al-Muhsin Islamic Boarding School

5. References

- [1] Al Prakoso, Yans, Hannifah, and Syafdi Maizora. 2017. "The Effect of Classical Music on the Results and Learning Activities of Class VII Students at SMPN 2 Bengkulu City (Experimental Study at SMPN 2 Sawah Lebar Kota Bengkulu)." *Journal of School Mathematics Learning Research (JP2MS)* 1 (1): 2581–253.
- [2] B. Avalos, "Teacher professional development in Teaching and Teacher Education over ten years," *Teach. Teach. Educ.*, vol. 27, no. 1, pp. 10–20, 2011, doi: 10.1016/j.tate.2010.08.007.
- [3] D. W. Sihadi, H. Sofia, N. Yuliani, and S. Agus, "The effects of green schooling knowledge level and intensity of parental guidance on the environmental awareness of the early age student," *Educ. Res. Rev.*, vol. 12, no. 5, pp. 251–257, 2017, doi: 10.5897/err2015.2608.

- [4] E. Barendsen and I. Henze, "Relating Teacher PCK and Teacher Practice Using Classroom Observation," *Res. Sci. Educ.*, vol. **49**, no. 5, pp. 1141–1175, 2019, doi: 10.1007/s11165-017-9637-z.
- [5] K. Aldrup, U. Klusmann, O. Lüdtke, R. Göllner, and U. Trautwein, "Student misbehavior and teacher well-being: Testing the mediating role of the teacher-student relationship," *Learn. Instr.*, vol. **58**, no. June, pp. 126–136, 2018, doi: 10.1016/j.learninstruc.2018.05.006.
- [6] C. Tican and S. Deniz, "Preservice teachers' opinions about the use of 21st century learner and 21st century teacher skills," *Eur. J. Educ. Res.*, vol. **8**, no. 1, pp. 181–197, 2019, doi: 10.12973/euler.8.1.181.
- [7] Y. Estriyanto, S. Kersten, P. Pardjono, and H. Sofyan, "The missing productive vocational high school teacher competency standard in the Indonesian education system," *J. Tech. Educ. Train.*, vol. **9**, no. 1, pp. 26–44, 2017.
- [8] Jamal, F. (2018). Kompetensi Pedagogik Guru Matematika Sekolah Menengah Pertama Negeri Kecamatan Johan Pahlawan Kabupaten Aceh Barat. *Maju, Volume 5 (1), 108-119*. Retrived from <https://ejournal.stkipbbm.ac.id/index.php/mtk/article/view/181>
- [9] Kuswana, W.S. (2011). *Taksonomi berfikir*. Bandung, Jawa Barat, Indonesia: PT. Remaja Rosdakarya.
- [10] Lestari, K. E., & Yudhanegara, M. R. (2015). *Penelitian Pendidikan Matematika*. Bandung, Jawa Barat, Indonesia: PT Refika Aditama.
- [11] Rakhmat, J. (2003). *Psikologi Komunikasi*. Bandung, Jawa Barat, Indonesia: PT. Remaja Rosdakarya.
- [12] Setiawan, A. (2016). *Penguatan Peran Matematika dan Pendidikan Matematika dalam Era Masyarakat Ekonomi ASEAN*. Prosiding Seminar Nasional Sains dan Pendidikan Sains. Salatiga, Jawa Tengah: UKSW Retrived from <http://fsm.uksw.edu/ojs>
- [13] Walgito, B. (2002). *Psikologi Sosial (suatu pengantar)*. Yogyakarta, Yogyakarta, Indonesia: Andi Offset.
- [14] Jihad, Asep & Abdul Haris. 2012. *Evaluasi Pembelajaran*. Yogyakarta: Multi Presindo.
- [15] Samino. 2012. *Kepemimpinan Pendidikan*. Surakarta: Fairuz.
- [16] Samino dan Saring, Marsudi . 2012. *Layanan Bimbingan Belajar*. Kartasura: Fairus Media.

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