

Developing Pesantren Eduliterature Based on Local Wisdom Integrated Reading e-Pub for Islamic Senior High School

Aang Fatihul Islam¹, Rukminingsih²

Abstract

This study aimed at developing and examining the effectiveness of Pesantren eduliterature teaching materials' ePub. This study employs ADDIE research and development model involving need analysis, design, development, implementation and evaluation. The subjects were 160 students of Islamic high schools around East Java in Indonesia. The instruments were students' and teachers' observation checklist, students' close-ended questionnaire, validation sheets and FGD sheets, reading classroom-test. This study produced innovative ePub teaching reading materials based on Pesantren local wisdom including competencies, indicators, reading text materials, it displayed in file compatible PDF with audio and video file. Based on the results of inferential statistics analysis, it showed that all four Islamic high schools as the subject of this study post tests were higher than pre-test. So, it could be inferred that the designed product is effective in enhancing students' reading achievement.

Keywords: *ePub; Islamic local wisdom; Pesantren eduliterature; reading materials.*

1. Introduction

Society 5.0, which requires humans to follow the flow of technological developments, is something that cannot be avoided. Educational institutions must implement and use ICT as an innovative method of instruction in order to keep up with current innovations and improvements. The use of information and communication technology in the field of education, especially learning, has a beneficial impact through to technological growth (Hastuti et al., 2023 & Bulkani, 2022). Numerous academics carried out in-depth research as a result of their awareness of the value of textbooks as a learning resource. Many textbooks were found to not be adequate, contextual, communicative, or sufficiently relevant to students' lives, and so did not meet their needs.

The integration of textbooks into the real-world experiences of students has a substantial impact on their behavior. In regards to content, material quality, and cultural values, a good textbook must be appropriate with the needs of the students (Huang, 2019 & Darmayenti et al., 2021). The appropriate instructional materials and procedures must be pedagogically integrated into a technology-based learning environment that promotes collaborative learning (Rahimi & Yadollahi, 2017). However, in contrast, based on the preliminary research which had been conducted by the researchers in four Indonesia Islamic high schools among located in East Java, they found that the materials of English reading text were not contextual as their need. There were not reading materials with Pesantren or Islamic topics. Most of the text materials were from general knowledge topics.

¹ English Language Education Department, STKIP PGRI Jombang, Indonesia, aangfatihulislam.upjb@gmail.com

² English Language Education Department, STKIP PGRI Jombang, Indonesia, rukminingsih19@yahoo.com

Teachers are expected to design instructional materials in the form of interactive digital books as experts, so that the production process tackles the concerns and obstacles students have during the continuing learning process (Hastuti et al., 2023). Students should also be able to learn freely using interactive digital texts (Liaw & Huang, 2014; Chen, 2013). One of digital texts is ePub book. ePub is a digital book. As the name implies, ePub can be opened via electronic application devices such as laptops, computers, tablets or smartphones. The ePub format utilizes HTML, xhtml so that it can be opened by many devices. In the process, ePub is compatible with many applications such as Adobe, Apple, Google Play Book and many more. The ePub itself was developed by an organization (forum) called IDPF or the International Digital Publishing Forum.

Islamic boarding schools in which there are literary works based on Pesantren's local wisdom that have been produced or commonly referred to as Pesantren literature. Pesantren literature, as part of Islamic literature, is included genre interesting literature because it is in line with the position and function of the Pesantren itself as a subculture within the Indonesian cultural universe. Several research themes on Pesantren literature have been carried out by (Muniroh, 2014; Chamalah, 2018; Abubakar, 2018; Rahman, 2022 & Elsiana, 2021) which concluded that Pesantren literature has benefits and uniqueness, especially for students because it elevates the local wisdom of the Pesantren.

In the Pesantren tradition, these religious books are called classical Islamic books or they are also called 'kitab kuning' (the yellow books) because paper on the pages of some of these books are yellow. Viewed from the perspective of the container (corpus), Pesantren literature materialized, dealing with socio-cultural realities (Islam, 2022) so that the Pesantren community can contribute to society's spiritual intelligence through literary means. Literature typical of local Pesantren wisdom such as narrative stories from the yellow books and Pesantren story books, which can then be mixed as English teaching materials for educational institutions in Pesantren or this term is called eduliterature or literature for education. Eduliterature is using literary works for the benefit of education or teaching language (Islam, 2021; Hall, 2005 & Hellistya, 2020). There is a construction of combination in the domain of Pesantren theory and literature for the benefit of education, the term was born Pesantren Eduliterature. Several research themes on Pesantren literature have been carried out by (Muniroh, 2014; Chamalah, 2018; Abubakar, 2018; Rahman, 2022 & Elsiana, 2021) which concluded that Pesantren literature has benefits and uniqueness, especially for students because it elevates the local wisdom of the Pesantren.

In the Pesantren tradition, these religious books are called classical Islamic books (Islam, 2022) or they are also called 'kitab kuning' (the yellow books) because paper on the pages of some of these books are yellow. Viewed from the perspective of the container (corpus), Pesantren literature materialized, dealing with socio-cultural realities so that the Pesantren community can contribute to society's spiritual intelligence through literary means. Literature typical of local Pesantren wisdom such as narrative stories from the yellow books and Pesantren story books, which can then be mixed as English teaching materials for educational institutions in Pesantren or this term is called eduliterature or literature for education. Eduliterature is using literary works for the benefit of education or teaching language (Islam, 2021; Hall, 2005 & Hellistya, 2020). There is a construction of combination in the domain of Pesantren theory and literature for the benefit of education, the term was born Pesantren Eduliterature. Several research themes on Pesantren literature have been carried out by (Muniroh, 2014; Chamalah, 2018; Abubakar, 2018; Rahman, 2022 & Elsiana, 2021) which concluded that Pesantren literature has benefits and uniqueness, especially for students because it elevates the local wisdom of the Pesantren.

Some previous study relates to local wisdom material as Pesantren as part of local wisdom also showed that local wisdom materials were effective to increase learning outcomes, student knowledge and social attitudes (Uge, 2019; Bulkani 2022). Meanwhile,

some previous research on literature for education (eduliterature) has been carried out by (Maharsi, 2012; Anggraini, 2015; Roslina, 2020; Swastika, 2020 & Darihastining, 2019) which concluded that literature in education has many advantages for students and students because in it contains the world of thought inserted by the author through his literary works, for example moral values, education, religiosity and others, so that in the context of learning literature it is very useful to shape children's character. Meanwhile, research on the development of ePub teaching materials has been carried out by (Arianti, 2021; Zuzilawati, 2021) who concluded that ePub teaching materials are very effective and appropriate to use as teaching materials and can increase student understanding. Moreover, developing local wisdom teaching materials with ePub is of course more effective in the digital era. Relate to teaching materials, Hastuti (2023) developed local wisdom short stories material with digital book more effective than printed book in increasing students' creativity.

According to the reasons above, the reading text materials as a reference source for learning have various drawbacks. They led to the researchers' interest in developing the reading text materials' EPub based on Pesantren local wisdom for Islamic high school students. In this research, Pesantren Eduliterature teaching materials' ePub was the development of multi discipline theories were constructed in EPub. Interactive digital books or ePub books improve the quality and quantity of learning in the classroom by allowing educators to provide educational materials more effectively and add value to learning activities (Hastuti et al., 2023; Arianti, 2021; Zuzilawati, 2021; Roslina, 2020; Swastika, 2020; & Anggraini, 2015).

From this phenomenon, this research is important to do as an effort to prepare English ePub teaching materials educational boarding school which is a combination of several cross-disciplines, namely: Pesantren theory and literature in education. Teaching materials ePub This is a teaching material formatted in ePub format which is more sophisticated in use than the pdf format, because audio and video files can be included in the file (Islam, 2022). So that readers will be more interested in enjoying the material presented. The purpose of this research is as an effort to inventory, document, and publish the existence of local wisdom in the repertoire of Pesantren literature and literature in education to be developed as English language teaching materials. The specific purpose of this research is to provide a literary review or study focused on the development of Pesantren-based local content materials for Islamic boarding schools in East Java.

2. Methodology

This study employed mixed method of research and development study using ADDIE model (Kurt, 2018). to answer the research question. This model comprises 5 steps: (1) analyzing students' need, (2) designing Pesantren Eduliteratures' framework, (3) developing Pesantren Eduliteratures' framework, (4) Implementing the product, and (5) Evaluating the products' quality and effectiveness. questionnaire, semi structure interview, closed-ended questionnaire and classroom test. The following are the stages of the ADDIE model development.

Population and Sample

This population was taken from four Islamic high school (MAN) students around East Java of Indonesia with 150 students at MAN 4 Jombang, 180 students at MA Al_Amin Mojokerto, 210 students at MAN 1 Nganjuk, 140 students at MAS Walisongo Ngabar-Ponogogo and 680 total population. The sample technique was employed the strata random sampling to keep the quality of the research data. the research samples were 160 students divide as follows.

Table 1. Research Sample

No	Schools	Sample
1	MAN 4 Jombang	40
2	MA Al_Amin Mojokerto	40
3	MAN 1 Nganjuk	40
4	MAS Walisongo Ngabar-Porogogo	40
	Total	160

Instrument

The data was taken by using some research instruments. They were students' and teachers' observation checklist, students' close-ended questionnaire, validation sheets and FGD sheets, and reading classroom-test. The observation checklist using binary scale for both students and teachers, the closes-ended questionnaire using Likert scale for students' need analysis dealing with the reading material and the reading classroom test for pre-test and post-test. The form of the test was multiple choice.

The observation checklist and students' close-ended questionnaire were used to assess the model's suitability with the students' and teachers; need analysis, The validation sheet data was taken from the two experts of ePub reading materials both the content and face validity. This test was used to assess the students' reading comprehension before and after the model was implemented. FGD was conducted to provide the deep understanding and some feedback of the reading text materials' ePub based on Pesantren local wisdom for Islamic high school students.

Data Analysis

The reading text materials' ePub based on Pesantren local wisdom for Islamic high school students were considered feasible through some results of the model validation analysis both content and face validity and the results of FGD with some experts and other English teachers and Reading lecturers as the member of FGD.

The validation was analyzed descriptively to improve the model after having some feedback from the expert validators and the other English teachers and reading lecturers. The students' scores of the reading test were analyzed by using inferential statistics to find the significant different before and after the implementation of the model.

Procedures

Analysis

The researchers conducted the students' and teachers' need analysis by giving observation checklist for both students and teachers and also close-ended questionnaire for students to dig up the information to get the need analysis data. The main data were gathered from 4 Islamic high schools spread in East Province.

The finding from the observation showed that the reading text materials were used at that time from the general knowledge and sometimes they felt unmotivated to read the topics of the texts. Then the finding from the students' close-ended questionnaire showed that reading materials sometimes were not in accordance with the needs of students. They sometimes felt lazy to read because they were not interested in reading the topics. They preferred to read the reading texts with the interesting topic especially dealing with Pesantren story. Based on the observation and questioners results from students' and teacher' views, we found that a lack of reading materials that incorporated with Islamic local wisdom. Moreover, the materials used were all from the manual book making them less accessible than ePub or digital book. Therefore, after discussing with some IT

experts, the decision was to develop text book using r-pub.

Design

Researchers found the authentic reading text materials based on Pesantren local wisdom as a solution to the findings of students' and teachers' observation and students' need analysis. The authentic reading materials were constructed as the new product and the topics of the texts were dealing with the stories and histories of Islamic. The topics can be formed as narrative or recount texts. ePub was one of the examples from a digital book. This provided the students more motivated to read the texts with the authentic reading materials. Furthermore, the researchers designed the reading text materials based on Pesantren local wisdom by using ePub or digital book.

Development

After designing the materials of reading text, the researchers developed the materials by employing the Pesantren eduliterature concept which is the combination of theory Pesantren with theory of literature in education. The application of those theories is how apply literature of Pesantren for language education([Hall, 2005](#); [Islam, 2020](#); [Hellysta, 2020](#); [Islam, 2022](#)). In this material researchers introduce to students how to use Pesantrens' treasure (whether Kitab kuning or Pesantren's book) for EFL reading teaching material and all of the materials were published in a digital book or ePub. In the development step, the reading text materials based on Pesantren local wisdom by using ePub or digital book was still in prototype since it has not got feedback from the expert validation and trial out of the field.

Implementation

The reading text material based on Pesantren local wisdom by using ePub was conducted in four Islamic high schools in East Java of Indonesia. There were some steps in the implementation stage. The first step, the researchers gave a pre-test to assess the students' score before the reading text material based on Pesantren local wisdom was implemented. Then the second step was implementation of reading text materials based on Pesantren local wisdom by using ePub. Then the third step, the researchers gave the post-test to assess after the treatment using the reading text material based on Pesantren local wisdom was implemented.

Evaluation

In the evaluation stage, the researchers evaluate the product by comparing the students' score before and after the treatment by comparing the students' score in their pre-test and post-test. In this evaluation stage, we conducted the pre -experimental design from four Islamic high school (MAN) students around East Java of Indonesia at MAN 4 Jombang, MA Al_Amin Mojokerto, MAN 1 Nganjuk, MAS Walisongo Ngabar-Ponogogo.

3. Finding and Discussion

Findings

Results of the development of Pesantren eduliterature based on local wisdom integrated reading e P u b for Islamic Senior High School Students

This study developed a product of reading text materials' ePub based on Pesantren local wisdom by employing the ADDIE model based on observation and need analysis. This product was constructed by using Curriculum Merdeka (Independent- Curriculum). The curriculum is the curriculum which is used by the schools in Indonesia. One of the approaches of Independent-Curriculum is using the authentic materials and topics which was suggested by implementing the local wisdom and students' needs. The reading text materials' ePub based on Pesantren local wisdom for Islamic high school students were

considered as the students' need to know because the materials dealing with the Islamic story and history.

Design

In this material researchers introduced to students how to use Pesantrens' treasure (whether Kitab Kuning or Pesantren's Book) for English language teaching material. The characteristic of Pesantren Eduliterature in specific explain in the table 2:

Table 2 Pesantren Eduliterature Teaching Materials's EPub

No	Characteristics			
	Pesantren	Eduliterature	EPub	Pesantren Eduliterature's Teaching Materials' ePUB
1	Narrative Text of Pesantren Treasure	Applied literature	Construct Teaching Material in ePUB format	Develop teaching materials from Pesantren treasure as local wisdom, by using literatures' Pesantren that were selected for language education/ EFL
2	Adopted from Kitab Kuning	Literature language education	for Interesting and compatible	
3	Adopted from Pesantren treasures	Use selected literature for language education	File format as pdf but able to ad audio and video	Format Pesantren Eduliterature Teaching Materials in ePUB
4	Provide Pesantren local wisdom	Selected literature's material in Classroom education	Economic, effective and efficient	

Development

After designing the materials of reading text, the researchers developed the materials by employing the Pesantren Eduliterature concept which is the combination of theory Pesantren with theory of literature in education. In this stage, the researchers made a format of ePUB as a digital book format. EPUB has a standard format that utilizes HTML or XHTML. The format that is supported by ePUB besides text is in the form of video format. The standard format used is Mp4. HTML is an abbreviation for Hypertext Markup Language, the first widely used internet-based markup language for web pages. While XHTML is a version of HTML that is more specific or stricter in content. XHTML base and even then, in the form of XML. XHTML is also more flexible and broader. The most prominent difference between the two. That is, XHTML is more case sensitive, while HTML is not. The difference between XHTML and HTML so XHTML was developed by the world wide web consortium, TML, on the other hand, was the result of a partnership between the Web hypertext application technology working group (WHATWG) and the World Wide Web Consortium (W3C), ([Darihasting & Islam, 2020](#)). After the product has been constructed, the next step was the validation process and the forum group discussion (FGD) process. Validation was conducted to determine the product feasibility. The validation process was conducted by the researchers involving 4 English teachers, 2 English reading lecturers and 2 media experts. The results of the

product validation as the following:

Table 3. Validation Results of Reading Materials' EPub Based on Pesantren Local Wisdom for Islamic High School Students

Name	Score	Assessment	Comments
Expert 1	75	Very good	Add some pictures and make them colourful
Expert 2	75	Very good	Make it in font 12 inch to make it better readable
Teacher 1	80	Very good	This ePub is very interesting because there are some facilities such as PDF, video and sounds.
Teacher 2	82	Very good	This product can accommodate the authentic material involving the Pesantren local wisdom.
Teacher 3	82	Very good	This model needs to be socialization to the other educators.
Teacher 4	82	Very good	Add some kinds of genre texts which also takes some Pesantren local wisdom.
Lecturer 1	77	Very good	integrated the tasks of the text with multiple choice and essay.
Lecturer 2	78	Very good	This product can activate students' background knowledge based on students' need in Pesantren local wisdom.
Total	631	Average Score =78.87	

The total average score of the validators was 78.87. It depicted that reading text material' s ePub based on Pesantren local wisdom for Islamic high school students was considered as the good product but required some revision to make better product after having some comments, discussion and evaluation from the 2 media experts, 4 English teachers and 2 English reading lecturers. The results of the FGD with some experts, teachers and lecturers involving the face validity and content validity.

Table 4. Development Model of Reading Materials' EPub Based on Pesantren Local Wisdom for Islamic High School Students

Initial Product	Developed Product
Initial View	Developed View
In this model, the initial display was a Pesantren local wisdom material which was adapted reading text material then were constructed in ePub format. The texts were displayed in 10-inch font and white and black colour text.	In This developed product, the initial display was a Pesantren local wisdom material which was adapted reading text material then were constructed in ePub format.
Menu Display	Menu Display
In the menu display, the part shown in the form of selected narrative reading text material adapted from Pesantren	In the menu display, the menu is in the form of selected narrative reading text material derived from

<p>treasures in the form of 'Kitab Kuning' and Pesantren's treasure's books.</p>	<p>Pesantren treasures in the form of 'Kitab Kuning' and Pesantren's treasure's books. The texts were provided some pictures and make them colourful Some texts were provided with the video story telling dealing with the topic which was presented by one of the students.</p>
<p>Reading Text Material View</p> <p>Reading text material adapted from 'Kitab Kuning' and Pesantren's treasure's books which consist of 8 reading text. Whereas 4 text adapted from 'Kitab Kuning' and 4 text adapted from Pesantren's treasures books. All the texts were narrative texts.</p>	<p>Reading Text Material View</p> <p>Reading text content taken from 'Kitab Kuning' and Pesantren's treasure books, each of which has 8 reading texts. Whereas four texts were adapted from the 'Kitab Kuning' and four texts were adapted from Pesantren's treasure books. and add with some texts included as a recount text.</p>
<p>Exercise View</p> <p>Every text will be exercised with some questions which assessed student understanding to text. The questions are in the form of multiple choice</p>	<p>Exercise View</p> <p>Every text will be completed with some questions designed to check student comprehension of the text. The questions are in the form of multiple choice and essay.</p>

Figure 1. ePub Reader for Desktop

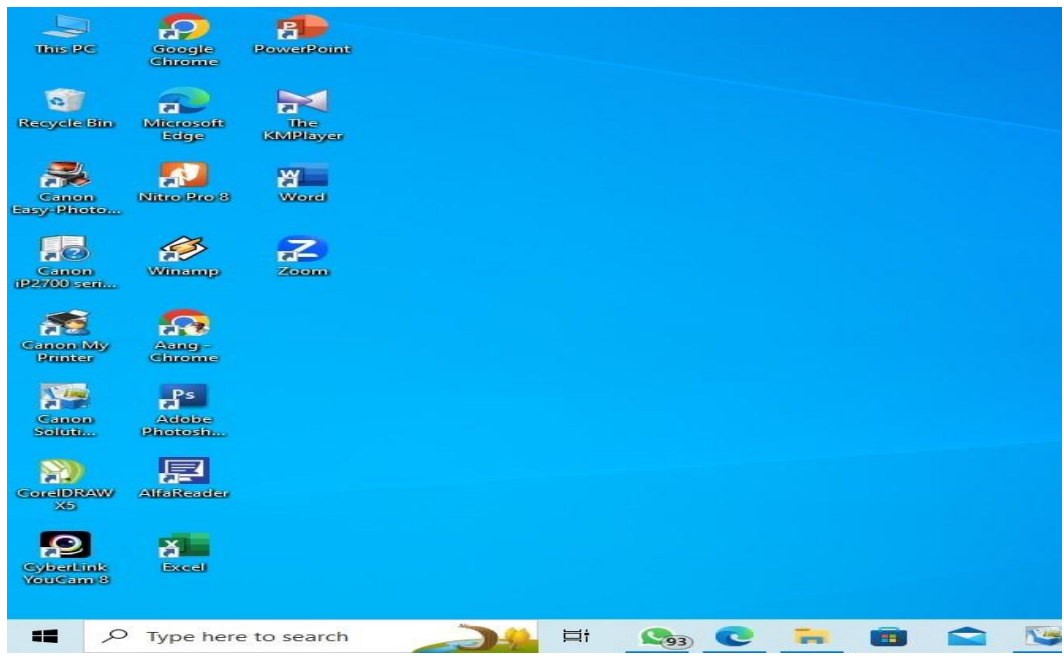


Figure 2. The Development of Pesantren Eduliterature' ePUB

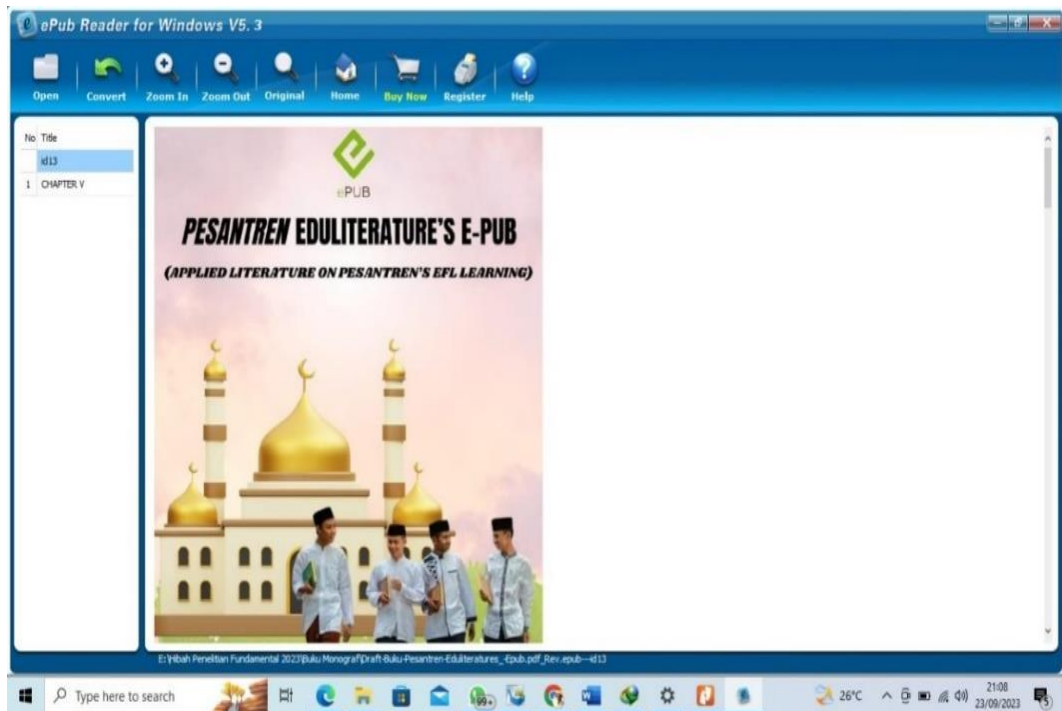


Figure 3. The Development of Pesantren Eduliterature' e-Pub



Implementation

Furthermore, after developing the model, the product becomes a final model ready to be tested in 4 Islamic high schools. In the trial process, the researchers used the pre-experimental pre-test and post-test one-group design methods. Before conducting the test

in the 11th year class, the researcher validated the test with construct and content validation. Then the test was tested for the reliability test all of the results of construct validity and reliability test was analyzed by using SPSS 23. During the implementation, the researcher taught the students with the reading text materials based on Pesantren local wisdom by using ePub or a digital book. The topics were related to Islamic stories and histories involving narrative and recount text. The researchers gave four times treatment for each research sample. A pre-test was given before the treatment and a post-test was given after the treatment.

Evaluation

The evaluation stage was done after the implementation stage. In this stage, the product was evaluated by comparing students' pre-test and post-test in four Islamic high schools as the research sample. The reliability level of the Cronbach Alpha Based value is 0.819, which means it has high reliability level, the normality test was also employed by using Kolmogorov Smirnov test and the result was significance of 0.0769 > 0.05. It means that the score was normal distribution. Then the students' score of pre-test and post test was analyzed by using inferential statistics. The data were analyzed by using pair dependent sample t-test.

The Effectiveness of the development Pesantren eduliterature based on local wisdom integrated reading e P u b for Islamic Senior High School Students

The result of comparing students' score pre-test and post-test on reading score at MAN 4 Jombang

Table 5. Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	before treatment	65.00	40	5.063	.800
	after treatment	84.25	40	7.807	1.234

Table 6. Paired Samples Correlation

		N	Correlation	Sig.
Pair 1	before treatment & after treatment	40	-.032	.843

Table 7. Paired Samples Test

Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		T	df	Sig. (2-tailed)	
			Lower	Upper				
Pair 1 before treatment - after treatment	-19.25	9.44	1.49	-22.2	-16.2	-12.8	39	.000

Hypothesis test Paired sample t-test aims to determine whether there is a difference in the mean of the two paired samples. The sample that will test for the hypothesis is students' learning outcomes using animation learning media based on local wisdom. The T-test

analysis results showed a difference in the mean score between before (65.00) and after (84.25). The analysis results show that the correlation between the sample t-test is 0.843, with a significant level of 0.000. The result of the t-test calculation is Sig. 2-tailed 0.000.

The Result of Comparing Students' Score Pre-Test and Post-Test on Reading Score at MA Al-Amin Mojokerto

Table 8. Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 before treatment	66.00	40	4.96	.78446
after treatment	83.00	40	7.90	1.25064

Table 9. Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 before treatment after treatment	&40	-.209	.195

Table 10. Paired Samples Test

	Paired Differences						T	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference					
				Lower	Upper				
Pair 1 before treatment after treatment	-17.0	10.17	1.60	-20.	-13.74	-10	39	.000	

Hypothesis test Paired sample t-test aims to determine whether there is a difference in the mean of the two paired samples. The sample that will test for the hypothesis is students' learning outcomes using animation learning media based on local wisdom. The T-test analysis results showed a difference in the mean score between before (66.00) and after (83.00). The analysis results show that the correlation between the sample t-test is 0.195, with a significant level of 0.000. The result of the t-test calculation is Sig. 2-tailed 0.000.

The Result of Comparing Students' Score Pre-Test and Post-Test on Reading Score at MAN 1 Nganjuk

Table 11 Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 before treatment	65.000	40	5.06370	.80064
after treatment	83.250	40	7.64182	1.20828

Table 12. Paired Samples Correlations

	N	Correlation	Sig.
Pair 1 before treatment & after treatment	40	.033	.839

Table 13 Paired Samples Test

	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		T	df	Sig. (2-tailed)
				Lower	Upper			
Pair 1 before treatment after treatment	-18.25	9.02	1.42	-21.13	-15.3	-12.7	39	.000

Hypothesis test Paired sample t-test aims to determine whether there is a difference in the mean of the two paired samples. The sample that will test for the hypothesis is students' learning outcomes using animation learning media based on local wisdom. The T-test analysis results showed a difference in the mean score between before (65.00) and after (83.25). The analysis results show that the correlation between the sample t-test is 0.839, with a significant level of 0.000. The result of the t-test calculation is Sig. 2-tailed 0.000.

The Result of Comparing Students' Score Pre-Test and Post-Test on Reading Score at MAS Walisongo Ngabar - Ponorogo

Table 14 Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 before treatment	65.2500	40	5.05736	.79964
after treatment	83.0000	40	7.57865	1.19829

Table 15. Paired Samples Correlations

	N	Correlation	Sig.
before treatment & after treatment	40	-.221	.171

Table 16 Paired Samples Test

	Paired Differences					T	Df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error	95% Confidence Interval of the Difference				
				Lower	Upper			
Pair 1 before treatment - after treatment	-17.7	9.990	1.580	-20.94	-14.5	-11.2	39	.000

Hypothesis test Paired sample t-test aims to determine whether there is a difference in the mean of the two paired samples. The sample that will test for the hypothesis is students' learning outcomes using animation learning media based on local wisdom. The T-test analysis results showed a difference in the mean score between before (65.25) and after (83.00). The analysis results show that the correlation between the sample t-test is 0.171, with a significant level of 0.000. The result of the t-test calculation is Sig. 2-tailed 0.000.

Discussion

Development of Pesantren eduliterature based on local wisdom integrated reading e Pub for Islamic High School Students

Pesantren Eduliterature teaching materials' ePub has been designed for students in education institution of Pesantren which shows prominent characteristics that suit students' need. Interactive digital books, also known as ePub books, enable teachers to provide educational materials more efficiently and add value to learning activities, which enhances both the quality and quantity of learning in the classroom (Alfani, & Puspasari, 2022; Arianti & Sitompul, 2021; Zuzilawati & Fitri, 2020; Roslina, 2020; Swanstika et al., 2020). Teaching materials' ePub is a teaching material formatted in ePub format, which is more sophisticated in usage than pdf format, because audio and video files can be incorporated in the file making students more engaged in the topic being taught provided (Islam, 2021; Darihastining & Islam, 2020; Islam, 2022).

The framework has systematic steps of product result and teaching provided scaffolding and technology. It reconfirms that the applied ADDIE model in [25] involving five steps such as, (1) need analysis, (2) design, (3) develop, (4) implementing and (5) evaluating is appropriate to develop the product of the teaching materials' ePub based on Islamic or Pesantren local wisdom. The strength of model lies systematic steps which are flexible and appropriate for students of student in education institution of Pesantren. The flexibility and appropriateness of Pesantren Eduliterature teaching materials' ePub resides in the teachers' freedom to uses this teaching material in various modes and the teacher's ability to add extra activities based on the students' need. Whereas the appropriateness of teaching material deals with the characteristics of education institution background (under the auspices of the Pesantren).

The strength of Pesantren Eduliterature teaching materials' ePub is that the teachers can easier engage to students understanding to the materials, because these materials very appropriate with Pesantren treasure. These materials are combination of some theories namely Pesantren, applied literature for language education or we can call as Pesantren Eduliterature that were constructed by researcher to solve serious problem during teach English in Pesantrens' schools (hall, 2005; Hellystia, 2020; Islam, 2021; Islam, 2022). Beside of that the educations process in Pesantren constructed them with various Pesantren treasure stories through other subject such as Kitab Kuning and story from

Pesantren treasures (book, jurnal, mass media etc). These students' background of knowledge naturally will easier engage students interesting in understanding Pesantren treasure's story in EFL context ([Islam, 2022](#)).

The Effectiveness of the development of Pesantren eduliterature based on local wisdom integrated reading e P u b for Islamic High School Students

Pesantren Eduliterature teaching materials' ePub as interesting teaching materials that very effective to apply in teaching learning activity in the class especially for EFL leaning. This teaching material, because this it is can be opened via electronic application devices such as laptops, computers, tablets or smartphones. The ePub format utilizes HTML, xhtml so that it can be opened by many devices. In the process, ePub is compatible with many applications such as Adobe, Apple, Google Play Book and many more ([Darihastining &Aang, 2022](#)).

This study has been supported by the previous. The local wisdom material as Pesantren as a part of local wisdom also showed that local wisdom materials were successful in increasing learning outcomes, student knowledge, and social attitudes. ([Uge et al., 2019](#) & [Bulkani et al., 2022](#)). Moreover, Eduliterature teaching materials' ePub based on Pesantren local wisdom is highly essential to be given to students. The integrating authentic topics from local knowledge can stimulate students to improve their reading abilities and cultural understanding.

Meanwhile, previous studies on literature for language education (Eduliterature) has been conducted by ([Annfraini & Kusniati, 2015](#); [Maharsi, 2016](#); [Roslina, 2020](#); [Swanstika et al., 2020](#); [Darihastining &Aang,2020](#)) who concluded that literature in education has many advantages for students and students because it contains the world of thought added by the author through his literary works, such as moral values, education, religiosity, and others, so that in the context of learning literature it is very useful to shape children's character.

4. Conclusion

The findings showed that the product of reading text materials' ePub based on Pesantren local wisdom for Islamic high school students has made a positive pedagogical contribution. It contained an intro, menu, basic competencies and indicators, simulations, practice questions, and locawisdom. This ePub product was tested in four Islamic high schools around East Java of Indonesia. The findings in MAN 4 Jombang revealed that the post test score was greater than the pretest score, with the mean pre-test score being 64,00 and the post test score being 84,25. The findings in MA Al-Amin Mojokerto revealed that the post test score was greater than the pretest score, with the mean pre-test score being 66.00 and the post test score being 83.00. The findings in MAN 1 Ngajuk revealed that the post test score was greater than the pretest score, with the mean pretest score being 65.00 and the post test score was 83.25. The findings in MA Walisongo Ngabar-Ponogogo revealed that the post test score was greater than the pretest score. It showed that the reading text materials' ePub based on Pesantren local wisdom for Islamic high school students was effective. The benefit of integrating authentic topics from local knowledge in literature is that it can help students improve their reading abilities and cultural understanding especially dealing with Islamic or Pesantren local wisdom.

References

Arianti, Dwi, Degeng I.N.S., & Sitompul, N.C. (2021). Interactive Module based on Epub to Improve Understanding on Narrative Text for Class IX Junior High School Students, *Jurnal Inovasi Teknologi Pendidikan*, 9 (1): 25-38.

- Alfani, N.R. & Puspasari, D. (2022). Development of Kodular based interactive teaching materials in meeting organizing materials in SMK Negeri 2 Buduran. *Dinamika Pendidikan*. 17(2). 133—145. <https://doi.org/10.15294/dp.v17i2.36658>
- Anggraini, P. & Kusniati T. (2015). The insertion of local wisdom into instructional materials for 10 th grade students in senior high school. *Journal of Education and Practice*, 6 (33): 89-92.
- Abubakar, Istianah. (2018). Strengthening core Values Pesantren as a local wisdom of islamic higher education Through Ma'had Jami'ah , IOP Conference Series: Earth and Environmental Science.
- Bulkani, Fatchurahman, M., Adella, H., & Setiawan, M. A. (2022). Development of animation learning media based on local wisdom to improve student learning outcomes in elementary schools. *International Journal of Instruction*, 15(1), 55-72. <https://doi.org/10.29333/iji.2022.1514a>
- Chen, H. Y. (2013). Exploring the reasons for using electric books and technologic pedagogical and content knowledge of Taiwanese elementary mathematics and science teachers. *Journal TOJET: Educational Technology*, 12(2), 131-141
- Chamalah, & Evi (2018). Local literature in Coastal Pesantren as an alternative on literary reading subject for students of PBSI Unissula, *International Conference on Science and Education and Technology*: 247: 141-144. <https://doi.org/10.2991/iset-18.2018.30>
- Darihastining, Susi & Islam, Aang Fatihul. (2020). *Menulis Narasi dengan Bahan Ajar EPub Responsif Budaya Lokal di Era Disrupsi*. Jombang: Erhaka Utama.
- Darmayenti, Besral, & Yustina, L. S. (2021). Developing an EFL religious characters and local wisdom based EFL textbook for Islamic higher education. *Studies in English Language and Education*, 8(1), 157-180.
- Elsiana, R. (2021). Pemanfaatan buku cerita anak sebagai sumber bacaan untuk mengenalkan sejarah Pesantren Cipasung pada siswa SD, *Jurnal Ilmiah Mahasiswa Pendidikan Guru Sekolah Dasar*, 8 (1): 32-42. <https://doi.org/10.17509/pedadidaktika.v8i1.32724>
- Hall, Geoff. (2005). *Literature in Language Education*. London: Springer.
- Hellystia, Devi. (2020). *Literature in ELT*. Yogyakarta: Deepublish.
- Hastuti, S., Slamet., Sumarwati., & Rakhmawati, A. (2023). Short story writing learning based on local wisdom with digital book media for university students. *International Journal of Instruction*, 16(1), 821-832. <https://doi.org/10.29333/iji.2023.16146a>
- Huang, P. (2019). Textbook Interaction: A Study of the Language and Cultural Contextualisation of English Learning Textbooks. *Learning, Culture and Social Interaction*, 21, 87-99.
- Islam, Aang Fatihul.(2021). *Introduction to Literature a Guide for the Understanding of Basic Literature (Revised Edition)*. Malang: Beranda.
- Islam, Aang Fatihul.(2022). *English for Pesantren: A Guide for the Understanding English for Pesantren as Indonesian Local Wisdom*. Jombang: Lima Aksara Publishing.
- Kurt, S. (2018). *An introduction to the ADDIE model: Instructional design: The ADDIE approach*. Educational Technology (1st).Routlage.
- Liaw & Huang. (2014). Investigating learner attitudes toward e-books as learning tools: based on the activity theory approach. *Journal Interactive Learning Environments*, 5(1), 112-129.
- Muniroh, Sri. 92014). Pesantren literature in Indonesian literature constellation, *LINGUA Journal* , 9(2): 155-166. <https://doi.org/10.18860/ling.v9i2.2737>
- Maharsi, I. (2016). The importance of Teaching Literature to Students. *Journal of English and Education*, 6(2). Retrieved from <https://journal.uui.ac.id/JEE/article/view/4436>
- Rahimi, M., & Yadollahi, S. (2017). Effects of offline vs. online digital storytelling on the development of EFL learners' literacy skills. *Cogent Education*, 4(1), 1-13. <https://doi.org/10.1080/2331186X.2017.1285531>

- Rohman, A., & Muhid, A. (2022). Character education of islamic boarding school students in the 4.0 industrial revolution era : Literature Review. *Halaqa: Islamic Education Journal*, 6(1), 59-65. <https://doi.org/10.21070/halaqa.v6i1.1591>
- Roslina, R., Mutawakkil, M., Nashruddin, N., & Amin, A. (2020). Literature learning in the students of class-x at SMA Muhammadiyah Pangkep. *JELITA*, 1(1), 60-67. Retrieved from <https://jurnal.stkipmb.ac.id/index.php/jelita/article/view/43>
- Swanstika, Sindi & Islam, Aang Fatihul. (2020). Character values in narrative texts of english textbooks “buku guru bahasa Inggris, *Journal of English Education, Linguistics and Literature English department of STKIP PGRI Jombang*, 6(2). 37-47. <https://doi.org/10.32682/jeell.v6i2>
- Uge, S., Neolaka, A., & Yasin, M. (2019). Development of social studies learning model based on local wisdom in improving students’ knowledge and social attitude. *International Journal of Instruction*, 12(3), 375-388. <https://doi.org/10.29333/iji.2019.12323a>
- Zuzilawati, Sari, R.K. & Fitri, H.(2020). Bahan ajar e-modul menggunakan aplikasi sigil pada materi transformasi geometri, *Lattice Journal: Journal of Mathematics Education and Applied*, 21(1): 1-12. <http://dx.doi.org/10.30983/lattice.v1i1.4973>