

Developing Drama Teaching Materials Based on Artificial Intelligence Script Generator for Students of English Literature Department at Universitas Muslim Nusantara Al-Washliyah Academic Year 2024-2025

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Abstract

This research is a R & D research aimed at producing drama teaching materials based on AI script generator for use in drama learning for students of the English literature study program UMN al-Washliyah, developing drama teaching materials based on AI script generator to improve students' understanding of writing drama script by using technology, testing the validity and testing the effectiveness of AI based script generators. The result from the research is mean value before using AI script generator-based drama material = 32.5 and mean value after using AI scripts- based drama materials = 42.5 so there is an increase of 10. The validity of the material on the test of the drama material based on AI script generator obtained a 70,5% percentage result with a good category, so it can be concluded that the development of the AI based script material generator deserves and effective to be used in the drama course.

Keywords: Drama Teaching Material; AI script Generator; R&D

INTRODUCTION

In the drama course, the students of the English literature study program encountered difficulties in writing drama scripts. The background of the study is students don't understand how to write drama scripts, and students do not have the necessary skills to write a drama script. As a result, students are unable to their learning goals. The challenges faced by students in writing drama scripts can be attributed to two primary factors; first, a lack of understanding of the scriptwriting process and insufficient skills to effectively craft a drama script. Lack of understanding of scriptwriting process; 1) unfamiliarity with script structure, student may struggle to comprehend the fundamental structure of a drama script, including the use of scene headings, character names, and dialogue. This confusing can lead to disorganization and make it difficult to convey the story effectively, 2) difficulty with pacing and timing, drama scripts require a delicate balance between action, dialogue, and stage directions. Students may struggle to manage the pacing and timing of their script, resulting in a slow or disjointed narrative. Second, insufficient skills to write a drama script; 1) character development; students may struggle to create well-rounded characters with distinct personalities, motivations and backstories. This can lead to flat or unengaging characters that fail to resonate with the audience. 2) dialogue and dialogue direction, effective dialogue is crucial in a drama script. Students may struggle to craft believable and engaging dialogue, and may also have difficulty directing the dialogue to achieve the desired emotional impact. 3) Stage directions and action. Students may not fully understand how to incorporate stage directions and action into their script. Which can lead to confusing during production and undermine the overall impact of the

performance. To overcome these challenges, students should focus on developing their understanding of script structure, pacing, and character development. Additionally, they should practice writing engaging dialogue and incorporating stage direction effectively. With this skill, students can create compelling drama scripts that captivate their audience.

Considering the problem, the researchers wanted to know why the problem arose. The researchers estimate that the learning objectives can be met during the teaching and learning process. Achievable teaching and learning processes include those that enhance the effectiveness and efficiency of educational innovation as well as those that teach students - both individually and in groups - to actively search, investigate, and discover the various concepts learned horizontally, meaningfully, authentically, and actively. Drama is a form of literature that uses dialogue and participation to describe the realities of human life, character, and behavior. (Yulistia, 2021). Drama is a genre of literature that uses behavior and speech to portray conflicts and emotions in an effort to represent life." Drama is a type of literary work that consists of both internal and external components, (Kokasih, 2017). In drama, it's important to convey the plot or storyline to help the audience grasp the content portrayed (Sirait, 2019) From the opinion of the experts above, Drama is a genre of literature that employs dialogue and involvement to depict the reality of human life, character, and conduct. It is a literary genre that uses action and speech to depict conflicts and emotions in order to capture the essence of life. Drama is a literary work that comprises of both internal and external components, including the plot or storyline, which is critical for the audience to understand the subject portrayed.

In describing the phenomena of human life, the character or behavior of a drama writer must have the creativity, innovation and imagination to be poured into the text of the script. As stated by (Wijayanti, 2019) When practiced well and consistently, creative writing is a process that produces unique works, particularly literary works that forge their own creative paths. In specifically, drama scripts represent a type of literary work that uses behavior—that is, acting—to depict human character and life in a way that can be seen in the setting of a dramatic performance. Writing a drama screenplay requires patience because a perfect script cannot be written in an instant. This is because writing is an art form. Because it incorporates so many variables—including motivation, interest, linguistic ability, attentiveness, and knowledge—it is regarded as difficult. It is also complex since these elements interact together to form a network that enhances a person's writing abilities. According to (Dewi, 2016) writing incorporates a variety of language skills, such as spelling, vocabulary mastery, topic selection, theme development, sentence structure, and paragraph organization, making it the most difficult talent to master. Writing a play script can be categorized as a particular kind of learning challenge in academic settings. This is due to the possibility that people would encounter challenges while attempting to incorporate their life experiences, language proficiency, and script-writing skills into their creative process, (Wijayanti, 2019). According to the experts above, the difficulty of writing a script is that students are able to integrate knowledge, language skills and integrate creativity and experience.

Considering the above, it's interesting to do research on making the drama material that matches the existing problem. One factor that makes students not understand about drama writing is a lack of understanding of how drama writing works. As a result, students find it difficult to create a script framework that matches the existing tasks to the learning objectives. (Sirait, 2019) One of the learning tools used to further learning in a classroom setting is teaching material. In order to support the learning activities, teaching materials are employed. Drama teaching materials are designed to enhance students' understanding of English literature by focusing on the writing of drama script. This material typically include: a) Lesson plans and activities that guide students through the process of writing a drama script, b) Example of well-structured and

engaging drama script to serve as models, c) Exercises and prompts to help students develop their own unique ideas and storytelling skills, d) Tips and guideline on formatting, character development, and plot structure. To enhance students' ability to write scripts, the AI Script Generator is used to develop drama teaching materials. AI technology entails filling out prompts to guide script generation. The AI script generator then generates a script based on the directions and training data. Users then analyze and improve the writing, giving a human touch to ensure depth and authenticity. Advanced AI models can even improve their subsequent outputs using feedback loops. An AI script generator produces many versions quickly and efficiently.

(Fetzer, 1990) Artificial intelligence (AI) is that it might be challenging to pinpoint the exact nature of its subject matter. Naturally, there are two aspects to the challenge, as gaining a sufficient understanding of the artificial intelligence's nature would only be possible if we also had a sufficient comprehension of intelligence itself. Undoubtedly, the aspect of artificial intelligence that is considered "artificial" stems from its development as a result of human creativity and invention, rather than a natural (particularly biological or evolutionary) effect. Put differently, objects that are artificially intelligent are distinct from naturally intelligent objects because they are artifacts with unique characteristics that are typically found in non-artifacts. As a result of a particular process (because they were developed, designed, or manufactured in this way), these things have a certain quality (intelligence). AI script generator is a technology-based tool designed to assist students in improving their scriptwriting abilities. This tool leverages artificial intelligence to: a) Provide templates and frameworks for structuring a script, b) Offer suggestions for character development and dialogue, c) Generate plot ideas and scenarios based on user input, d) Offer real-time feedback on grammar, syntax, and overall script quality.

According to (Tifani, 2021) drama teaching material is the materials should be concise, easy to understand, and provide guidance on content, artistic, creative process, and performance. The design should include a cover with title, class, level, pictures, a table of contents, and a material concept map. Exercises and tests should be presented in descriptions and performance, along with a bibliography, glossary, index, and author's biography. (Martha, 2022) drama teaching materials to write drama scripts, focusing on local wisdom and character education. (Hutagalung, 2023) drama teaching materials that are innovative, fascinating, effective, and practical are essential, and they should be packaged in a way that increases learning motivation. A literary work is essentially a collection of words that should be analyzed for its meaning. In literary learning, the level of understanding is also determined by the selection of texts to be read. Principally because the text is read should have a relationship with the reader capacity. This means that the success of learning to improve understanding is also determined by the ability of teachers (lecturers) to choose the text that will be used as teaching material (Anzar, 2018). Drama teaching materials should be succinct, easy to grasp, and provide information on subject, artistic process, and performance. They should have a cover, table of contents, and a material concept map. Writing play scripts need resources that are innovative, engaging, effective, and practical. The success of learning is dependent on teachers' ability to select appropriate texts, as literary learning is influenced by the reader's capability.

METHOD

This study employs a research and development methodology that is used to assess the efficacy of dramaturgical materials. The development theory used in this research is Sugiyono's theory. (Sugiyono, 2016) Methods of research and development (R&D) are research methods used to produce a particular product and assess its efficacy. Research and Development (R&D) is a research method used to produce a particular product and test the effectiveness of such a product. Research that is necessity analysis is used to manufacture a specific product and to test

the efficiency of such product so that it can be used by the whole society, so it is necessary to research to test its effectiveness, Sugiyono (2011:297). In this study uses the R&D method because the final results of this research will produce the product of the drama material based on AI script generator.

1. Research Stage

The stages of research and development according to Sugiyono (2011:298), can be described as follows.

a. The potential and problem

This research is based on the potential and problems that are present. According to Sugiyono (2011:297) Potential is everything that when used will have added value, while the problem is the deviation between what is expected and what is happening. This AI-based script generator has a very important role to play in improving the ability to write drama scripts for students of the UMN Al-Washliyah English literature study program. The current problem is that students have minimal understanding and lack of skill in writing drama scripts so long as the teaching material for the drama that has not adopted technology needs to be developed. This research needs to be re-developed so that students' understanding and ability to write drama script can be improved and, most importantly, students can use technology to help in writing drama script more effectively and efficiently.

b. Information collection

The information collection process is done factually and can be used as a material for specific product planning that is expected to solve problems in improving the student's ability to write a drama script. The initial phase of the search for information was obtained from the study of theories related to the development of drama teaching materials based on AI script generator using textbooks such as scientific writings, handbooks, e-books, reference books of courses and also free writings such as writing on a virtual forum, free articles from a site, and newspaper writings either hardcopy or softcopy related to a program to be developed. The researchers also consulted with students and lecturers of the English literature study program on the production of theatre material and collaborated to create a product to be developed.

c. Product Design

The product design produced in this study is the drama teaching material integrated with AI script generator technology, which helps students in writing the drama script. The teaching materials are developed using a systematic and goal-oriented development model, as well as involving several stages, such as analysis, design, development, implementation, and evaluation, (HUTAJULU, 2020). Developmental Phase

- a. Analysis: This phase involves the collection of information about the needs and skills of students in writing drama scripts. The data was collected through interviews with Indonesian language teachers and analysis of the material used in schools.
- b. Design: In this stage, the material is structured and designed taking into account format, organization, attractiveness, font size, empty spaces, and consistency. Examples of drama script and the theory of writing drama script are also included.
- c. Development: The teaching material is refined through validation tests and development based on expert advice and input received orally and in writing.
- d. Implementation: Teaching materials are tested on students by conducting pretests and posttests. The test results are used to determine the effectiveness of the teaching materials in improving the skills of writing the script. Evaluation: The evaluation is carried out through surveys by giving elevator to the students to see the student's response to the material that has been developed.

The integration of AI script generator technology into the drama teaching material enables students to use sophisticated tools in writing drama scripts. AI script Generator can help in several ways, such as: Ideas Generation: AI can help to generate creative and innovative ideas for the drama script. Writing Structure: AI may help in organizing the scripting structure of the drama, like plot, characters, and dialogue. Character development: AI could help in developing characters in the drama manuscript, like backstory, motivation, and behavior. Using AI script generation technology, this drama textbook can help students in improving their scripting skills effectively and efficiently.

d. Design validation

In the development of AI-based script generator drama lessons involves several important stages to assess the effectiveness and quality of the product.

e. Design Improvements

The design of the product is drama teaching material based on AI script generator in the evaluation and analysis by the experts then will produce various inputs and weaknesses of the material. From these results then will be made some changes that make this material to be quality. Evaluation of product design as an drama teaching material based on AI script generator.

f. Trial Product

The AI script generator was tested to determine the effectiveness of the tool in producing quality drama scripts that match the needs of the student. In the testing, the AI script Generator tool was given some basic questions about the genre, character, and plot choice, as well as given data to produce a well-written and interesting story.

2. Locations, populations and samples of research

The research locations were carried out in the English literature study program of UMN Al-Washliyah. Population in this study were students of the English Literature study programme, and the samples in this research were 15 students of British literature. The sampling techniques used are purposive samplings because in the testing this time only used to see the performance of the drama material based on AI script generator.

3. Research Design

The drawing design shown in Figure 1 is a product trial research design to find out the results of the performance of the drama teaching materials based on AI script generator.



Figure 1. Research Design

Description:

X: New product drama teaching materials based on AI script generator

Y: Measurement Results

4. Research Instrument

In research and development of drama teaching materials based on AI script generator, several instruments are used to test the quality and validity of the product. The following are the instruments used:

a. Validation sheet

Used to evaluate the product of the drama material developed. The validators in this study are literary experts, literary learners, practitioners or lecturers of English literature, as well as field trials limited to involving students of semester V.

b. Nontes Instruments

Used to obtain research data. For example, in research on the development of a drama learning module with a cooperative learning model, nontes instruments are used for obtaining data about learning processes and learning outcomes

c. Test instruments

Used to evaluate students' ability to understand learning material.

d. AI Script Generator

This tool is used to generate well-written and interesting story streams, meeting user needs. AI Script Generator asks some basic questions about genres, characters, and plot, and then produces high-quality instant scripts. Using this range of instruments, research can ensure that the developed drama material product is valid and effective in improving students' ability to write drama script.

5. Data Research Collection

In facilitating this research process, the author subsequently compiled the technique of data collection research as the development of drama material based on AI script generator. Here are the steps taken:

a. Literature Review

The writer reviewed relevant literature related to the use of of drama material based on AI script generator, as well as the application of AI generator scripts in drama content development.

b. Online Survey

The author conducted an online survey of teachers and students who have used the of drama material based on AI script generator. The survey aims to understand the effectiveness of the use of of drama material based on AI script generator in improving the quality of the drama material and increasing student participation.

c. Interview

The author conducted interviews with teachers and students who have used AI script generators in the development of drama material.

d. Data collection

The author collects data from a variety of sources, including literature, online surveys, and interviews. The data collected includes information on the effectiveness of the use of AI script generators in improving the quality of drama material, as well as the advantages and disadvantages of using of drama material based on AI script generator.

e. Data Analysis

The author analyzes the data collected to gain a deeper understanding of the effectiveness of using AI script generators in the development of drama lessons. This data analysis includes statistical analysis and qualitative analysis. Development of Drama Teaching Materials: Based on the results of data analysis, the author developed a more effective and efficient AI-based script generator. Thus, the data collection techniques carried out in this study aim to understand the effectiveness of using of drama material based on AI script generator and develop more effective and efficient drama teaching material.

5. Data Analysis Technique

The data analysis techniques used are tailored to the type of data collected. Data analysis covers some of the things before it is:

a. Product Descriptions Development. In this case, the researcher will exhibit the product made and the function of its main components. Then the researchers will also explain a series of ways the development of drama material based on AI script generator works.

- b. Validation Test Results are the results of the evaluation of education experts and language experts in the accuracy and usefulness of products developed with the needs of students in drama courses.
- c. The results of the test are a table of results of testing of the teaching material at the time of the implementation of the material. In the table will be displayed the evaluation results to ensure the quality and suitability of the materials with the purpose of teaching.

RESULTS AND DISCUSSION

Results

This research is a R & D research aimed at producing AI-based drama script generator for use in drama learning for students of the English literature study program UMN al-Washliyah, developing AI based drama script Generator to improve students' understanding of writing drama script by using technology, testing the validity and testing the effectiveness of AI based script generators. The findings of the small group test show an increase of 10: the mean value before using AI script generator-based drama material was 32.5, and the mean value after using AI scripts-based drama material was 42.5. The z pricing table = 1.96 if the error level is 0.025 (p). There is a considerable difference in learning before and after using AI-based content, as indicated by the z price of 2.814, which indicates that z price counts > z table. When the average difference (before-after) is 10 and the result is positive, it can be said that the AI script-based theater content generator is useful for educational purposes. The validity of the material earning a 65,5% percentage result with an excellent category on the test of the drama material based on AI script generator indicates that the construction of the script material generator is worthy of and effective for use in the drama course.

Discussion

AI-based drama script generator development measures with R & D approaches according to the suggestions used in the material development research include; 1) potential problems, 2) data collection, 3) material design, 4) material validation, 5) material revision, 6) material testing (testing the validity and effectiveness of the material), 7) material review, as well as 8) material products.

- a. Potential problems,
The development research focuses on creating drama teaching materials for students enrolled in the UMN Al-Washliyah English literature study program utilizing AI-generated scripts. The creation of this product has the potential to alleviate problems in the upper class, particularly among students who do not understand how to compose play scripts or lack the necessary skills. Additional study is required to address this issue.
- b. Data collection,
 1. Interviews with lecturer and students
 - a. The students' ability to understand the writing of drama script is still underestimated.
 - b. Students are less skilled in writing drama scripts.
 2. Class observation
The limitation of the drama material leads to the lack of optimum learning processes and outcomes, so it is necessary to develop an AI-based drama script generator that can stimulate the creativity of students in writing drama scripts with the help of AI script generators so that student learning access is achieved.
- c. Material design,
 1. The title of the lesson is the development of an AI script generator -based drama lesson.

2. A graduate of the English literature program is able to distinguish between the concept of drama and the theatre, distinguish the elements of theatre from the themes of theater, identify examples of the form of a drama script, analyze the element of a dramatic script, and write a script.
 3. The goal of the development of drama material is for students to be able to produce a drama script.
 4. Drama learning materials are used in drama education. theatrical learning materials based on AI script generators make it easier for students to improve their writing skills. AI script generators also help students come up with ideas for theatrical topics.
 5. The material of the drama lesson is the technique of writing a drama script so that students get information about how to write a good drama script, and the development of ideas can be assisted through AI technology.
- d. Material validation,
Based on validation reviewed by experts of 3 respondents obtained the total score of respondents with an average score of 9, so it can be seen from the teaching material of the drama in the review of the expert included in the category of "**worth it**"
- e. Material revision,
The advice and commentary of the expert is:
1. Teaching materials are developed according to the theory of the experts.
 2. Material relevant to indicators.
- The revision is based on the advice and comments of the experts as follows;
1. Develop teaching materials in accordance with the theory of experts that support the teaching material of the drama especially in writing the drama script.
 2. The material presented adjusts the indicators of access and the expected competence
- f. Material testing (testing the validity and effectiveness of the material),
1. The qualification
Test based on the validity test of the drama script generator based on AI scripts obtained results with a majority of good categories, so it can be concluded that the development of drama script materials=based AI script generators deserves to be developed on the mathematical drama.
 2. Teaching material test value
The small group test value obtained results, mean value before using AI script generator-based drama material = 32.5 and mean value after using AI scripts- based drama materials = 42.5 so there is an increase of 10. If the error level is 0.025 (p), then the z price table = 1.96. The z price is calculated = 2.814 so because z price counts > z table means that there is a significant difference between learning before using AI based material and learning after using AI-based material. Average difference (before-after) = 10 positive means that it can be concluded that the AI script-based drama material generator is worthy of use in learning.
 3. Teaching Material Qualifications
Based on the validity of the material on the test of the drama material based on AI script generator obtained a 70,5% percentage result with a good category, so it can be concluded that the development of the AI based script material generator deserves to be used in the drama course.

CONCLUSION

1. Drama teaching materials based on AI script generator to enhance realistically developed critical thinking skills It is proven in early and major field trials through the

practicality responses of interesting, easy, and beneficial elements for teachers and students according to highly practical criteria. The main page of the Drama teaching materials based on AI script generator illustrates interesting elements: design, color, and letter selection. The convenience aspect, which includes instructions for use, video learning, and images, followed. In addition, there are some advantages of the Drama teaching materials based on AI script generator, such as the training topics that can enhance students' critical thinking skills when using an AI- based script generator to write a playwright.

2. Drama teaching materials based on AI script generator helps improve critical thinking skills. Effectiveness tests for writing drama scripts using critical thinking achievement percentage (n-gain) and statistical tests paired sample t-test using the SPSS program with results of proven effective accomplishment criteria. It shows that the Drama teaching materials based on AI script generator can be used effectively to enhance the critical thinking ability of its users, helping students understand the learning flow.

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