



Development of audiobook learning media entitled "The Miracle of Hallwachs" to improve novel listening skills of grade XI vocational school students

(Pengembangan Media Pembelajaran Buku Audio Berjudul "Keajaiban Hallwachs" untuk Meningkatkan Keterampilan Menyimak Novel Siswa SMK Kelas XI)

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Abstract: The use of audio-based learning media, such as the "Hallwachs Miracle" audiobook, has great potential in improving students' listening skills. This research aims to (1) develop the audiobook learning media "The Miracle of Hallwachs" and (2) test the validity and effectiveness of this audiobook media to improve the listening skills of grade XI students of SMK. This research uses a research and development (R&D) approach with the ADDIE model, namely (1) analysis, (2) design, (3) development, (4) implementation, (5) evaluation. The subjects of this study include grade XI students of SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta and SMK PGRI 24 Jakarta. The data collection method in the study uses questionnaires used to analyze student needs, product validity tests by experts, and product effectiveness tests. The analysis technique used in this study is quantitative descriptive. The results of the study show that the learning media developed is valid and effective, which is evidenced by a percentage of 95.12% with a very feasible category from media experts. The results of the validity test from material experts showed a percentage of 96.28% with a very feasible category. The results of the validity test from linguists showed a percentage of 87.4% with a very feasible category. The results of the effectiveness test conducted in a small group showed that the percentage of effectiveness was 92.6% with the very feasible category, and the large group trial was 94.9% with the very feasible category. This shows that the learning media developed has excellent effectiveness. The results of this study show that the development of the audiobook learning media "The Miracle of Hallwachs" has proven to be effective in improving the novel listening skills of Class XI vocational school students.

Keywords Audiobooks, Learning media, Listening to novels

Abstrak: Penggunaan media pembelajaran berbasis audio, seperti buku audio "Keajaiban Hallwachs," memiliki potensi besar dalam meningkatkan keterampilan menyimak siswa. Penelitian ini bertujuan untuk (1) mengembangkan media pembelajaran buku audio "Keajaiban Hallwachs" dan (2) menguji validitas dan efektivitas media buku audio ini untuk meningkatkan keterampilan menyimak siswa kelas XI SMK. Penelitian ini menggunakan pendekatan penelitian dan pengembangan (R&D) dengan model ADDIE yaitu (1) analisis, (2) design, (3) development, (4) implementation, (5) evaluation. Subjek penelitian ini meliputi siswa kelas XI SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta dan SMK PGRI 24 Jakarta. Metode pengumpulan data dalam penelitian menggunakan kuesioner yang digunakan untuk menganalisis kebutuhan siswa, uji validitas produk oleh ahli, dan uji efektivitas produk. Teknik analisis yang digunakan dalam penelitian ini adalah deskriptif kuantitatif. Hasil penelitian menunjukkan bahwa media pembelajaran yang dikembangkan valid dan efektif, yang dibuktikan dengan persentase sebesar 95,12% dengan kategori sangat layak dari ahli media. Hasil uji validitas dari ahli materi menunjukkan persentase sebesar 96,28% dengan kategori sangat layak. Hasil uji validitas dari ahli bahasa menunjukkan persentase sebesar 87,4% dengan kategori sangat layak. Hasil uji efektivitas yang dilakukan dalam kelompok kecil menunjukkan bahwa persentase efektivitas sebesar 92,6% dengan kategori sangat layak, serta uji coba kelompok besar sebesar 94,9% dengan kategori sangat layak. Hal ini menunjukkan bahwa media pembelajaran yang dikembangkan memiliki efektivitas yang sangat baik. Hasil penelitian ini menunjukkan bahwa pengembangan media pembelajaran buku audio "Keajaiban Hallwachs" terbukti efektif dalam meningkatkan keterampilan menyimak novel siswa SMK Kelas XI.

Kata Kunci Buku audio, Media pembelajaran, Menyimak novel

How to Cite

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INTRODUCTION

In this era of globalization and fast-paced information, literacy skills have an important role in supporting the quality of education and character development of students (Latip, 2022; Rusmanayanti, 2021). Listening skills, a crucial aspect of literacy, often receive insufficient attention (Gilakjani, 2016), particularly in the context of literature (Wang et al., 2017). Listening skills, especially in understanding and interpreting novels, can be an effective learning tool for Vocational High School (SMK) Class XI students to hone their reasoning power (Sari, 2023), emotional sensitivity, and analytical skills relevant to real life (Mikly et al., 2021; Rahmadani, 2023; Taufiqurrahman, 2023). Through novel listening activities, students are not only invited to live the storyline, but also to dive into the characters, settings, and conflicts presented, so that they are able to practice their deep understanding and critical thinking skills (Safi'i et al., 2021; Kamaruddin et al., 2023; Yudianto et al., 2024).

Novel listening skills in Class XI vocational school students play an important role in the development of students' education as a whole (Vandergrift & Tafaghodtari, 2010). This activity is not just a process of hearing information, but also an effort to understand the message and meaning implied in a literary work (Beauty et al., 2023). Students learn to pay attention to details, respond actively, and construct interpretations of various story elements through listening (Alavi & Janbaz, 2014; Atmowardoyo et al., 2021). Additionally, by listening to novels, students can expand their cultural horizons and enhance their empathy, as they encounter diverse perspectives and life experiences from the story's characters (Misaa et al., 2022; Setiyanika et al., 2023).

Furthermore, novel listening skills also support the achievement of character education goals (Nugraha, 2021; Rahmayanti et al., 2021), which is one of the pillars in the education system in Indonesia (Pangesti et al., 2022). These skills assist students in developing social and emotional sensitivity, which is crucial for navigating the challenges of the workplace and social life in the future (Alexander & Vermette, 2019; Arieny et al., 2023). Thus, the development of novel listening skills in Class XI vocational school students not only supports the improvement of literacy (Khamkhong, 2018), but also contributes to the formation of a balanced, competitive, and ethical personality (Jagers et al., 2019; Neve et al., 2020), as expected of secondary education graduates in Indonesia.

Although novel listening skills have a significant role in supporting the development of education and student character, its implementation among Class XI Vocational School students still faces a number of obstacles. The results of observations and interviews at SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta, and SMK PGRI 24 Jakarta reinforce this, as they have not fully engaged in listening to the novel in a proper and correct manner. Moreover, the educational curriculum's insufficient allocation of time for listening activities poses a significant challenge, particularly in vocational schools that prioritize vocational education. The dense curriculum and demands to achieve vocational competence often result in a lack of adequate attention to literary materials, including novel listening activities. This results in listening skills being less honed, and students lose the opportunity to explore the benefits of literary literacy optimally. Because of these factors, it makes sense for experts to create software that can be used to learn in the form of an audiobook called "The Miracle of Hallwachs". It is hoped that through this Audiobook entitled "The Miracle of Hallwachs", the process of learning by listening to books will no longer be hard for students, so that the Learning Objectives (TP) in Indonesian subjects can be achieved.

Similar research has also been carried out before, for example research conducted by

Indriastuti, (2015); Amos (2019); Assiddiqhi et al., (2021); Saadah et al., (2022); Masykuri et al., (2023); Fachrurrozi et al., (2021); Akmalia et al., (2024) which emphasizes research on audiobooks in several subjects. Other research conducted by Prihatin (2017); Ernawati & Rasna (2020); Triyadi (2015); Nurhayani (2017); Pratiwi (2022); Munthe et al., (2023); Manalu et al., (2023) who explored listening skills in Indonesian subjects at all levels of education. In this study, the material presented in the form of an audiobook is designed specifically for grade XI vocational school students, adjusting to their characteristics, both in terms of language, content, and delivery methods. The audiobook titled "The Miracle of Hallwachs" is adapted to be relevant to the needs of vocational education, which more often emphasizes practical skills. This study specifically designs the audiobook material for grade XI vocational school students, tailoring it to their unique language, content, and delivery methods. The main goal of this study is to (1) create an audiobook learning resource called "The Miracle of Hallwachs" that is appropriate for learning Indonesian at the trade school level. (2) Finding out if this audiobook media is true and useful for helping students in grade 11 at SMK improve their listening skills, especially when it comes to reading books. The results of this study should add to what is already known about the development of audio learning tools, especially when it comes to vocational school students learning how to listen. This study's results can help us understand how audiobooks can help people get better at listening to novels, and they can also be used as a guide by other researchers who want to make audio-based materials for learning Indonesian.

METHOD

The ADDIE model is being used in this growth study (Latip, 2022). There are five steps in this model: (1) analysis, (2) design, (3) development, (4) implementation, and (5) review. The ADDIE model's first step is the research step. In the analysis stage, 75 students from SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta, and SMK PGRI 24 Jakarta in Class XI were asked to fill out a questionnaire about their needs. This was followed by a literature review, interviews with 6 Indonesian teachers at SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta, and SMK PGRI 24 Jakarta, and classroom observation to find out what learning materials were being used, how interested the students were in learning, and if they needed them. The second step is design, which starts with the design of the object that was made for this study. The third step is the development stage, where a development plan or design is turned into a real product. Experts in media, material, and language then test the product to see if it works. The fourth step is putting everything in place. After the product has been tested and found to be good, it goes through three stages: one-on-one, small group, and field test. In the ADDIE model, as shown in Figure 1, evaluations are done at every step to help make the product better.

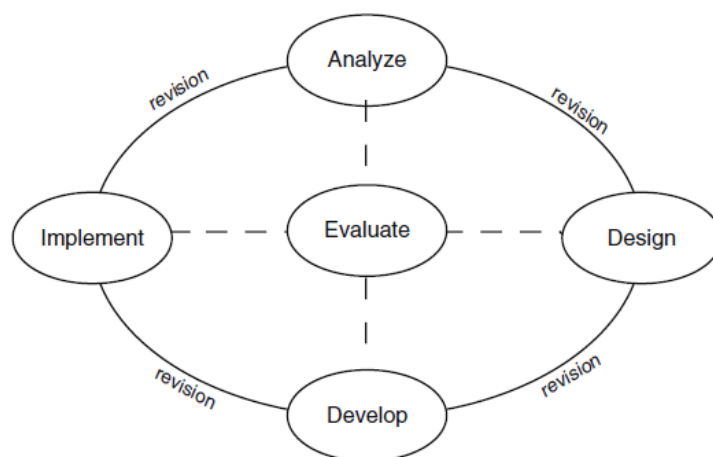


Figure 1. ADDIE Models

Source: (Hidayat & Nizar, 2021)

Questionnaires were used to collect data for the study. Questionnaires are used to find out what needs students have, as well as for product trials and validity tests by experts. Trials with small groups (32 students) and big groups (75 students) were used to test the product. A questionnaire was used to gather information for this study. The tools used to rate learning media items are shown in Tables 1, 2, 3, and 4. An evaluation based on the Likert scale, as shown in Table 5, was used to make the questionnaire.

Table 1
Results of the Due Diligence by Media Members

No	Aspects	Score	Total score	Score Percentage	Interpretation
1	Narrator voice recordings				
2	Story				
3	Music				
4	Sound effects				
5	Image (illustration)				
	Average of all aspects				

Table 2
Results of Feasibility Test by Material Experts

No	Aspects	Score	Total score	Score Percentage	Interpretation
1	Knowledge				
2	Material Accuracy				
3	Material Availability				
4	Contextual Material				
5	Menu				
	Average of all aspects				

Table 3
Results of Qualification Test by Linguists

No	Aspects	Score	Total score	Score Percentage	Interpretation
1	Style				
2	Diction (choice of words)				
3	Intonation				
	Average of all aspects				

Table 4
Small Group and Large Group Test Instruments

No	Criterion	Average Score	Respond	Percentage	Category
	Display of learning media				
	Readability of texts on learning media				
	Image clarity in learning media				
	Clarity of instructions for using links (<i>Google Form & Youtube</i>) on learning materials				
	Everything on the learning tools is simple to understand				
	Clarity of material on learning media				
	Students are strongly encouraged to follow the learning process by learning tools				
	The use of learning tools helps students understand the material better				
	Learning media is a lot of fun to use				
	Clarity of instructions in every question				
	The language in each question is easy to understand				

Table 5
Likert Scale

No	Score	Criterion
1	1	Very Less
2	2	Less
3	3	Enough
4	4	Good
5	5	Excellent

Quantitative data analysis was used to look at the data in this study. Quantitative analysis was used to look at the information from the validation assessment questionnaire that was filled out by material experts, media design experts, linguists, and students who took small group tests (32 students) and large group tests (75 students). A formula was used to figure out the percentage of each factor in the results of the tests given by experts and test subjects. By figuring out the percentage of each questionnaire, the collected data will be looked at in order to make choices about the quality and viability of the learning materials that were created. The rules shown in Table 6 are used to decide on the percentage of assessment results.

Table 6
Subject Matter Expert Assessment

Score	Interpretation
81% - 100%	Very Appropriate
61% - 80%	Appropriate
41%-60%	Appropriate Enough
21%-40%	Less Appropriate
1%-20%	Not Feasible

RESULTS AND DISCUSSION

Developing "Hallwachs Miracles" Audiobook Learning Media

Analyze as the first stage in this study focuses on needs analysis, field analysis, and literature analysis. Based on the analysis of needs for students conducted by disseminating a questionnaire via the google form platform, 75 students of SMK Class IX who pursued the Concentration of Electrical Engineering Expertise at SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta, and SMK PGRI 24 Jakarta stated that 50% of students liked Indonesian subjects. However, only 48% of students admitted that they enjoyed learning Indonesian, while only 46% of students were enthusiastic about learning Indonesian. This is because in studying literary texts such as novels, interesting media has not been maximized, even listening to novels is directed to reading novels. The fact that students use 30.6% of their learning media from either school libraries or privately owned novels reinforces this finding. Furthermore, when it comes to listening to novels, 0% of students reported not using novel audiobook media related to their chosen area of expertise. As many as 86.6% of students require learning media in the form of novel audiobooks that align with their area of expertise concentration. The reason for this need is acknowledged by 30.6% of students who are bored of only using learning media, namely novels from school libraries or privately owned, so that listening activities do not occur because they become reading novels. This is in accordance with the opinion of [Wulandari et al., \(2020\)](#) who said that the use of learning media for the learning process is needed to attract students' interest in learning. Additionally, teachers often employ conventional learning models, which can lead to student boredom. Other data shows that 69.3% of students are dissatisfied, because they only use pieces or snippets of novels in textbooks available in school libraries, school-owned, or privately owned as learning media.

Based on a field analysis that has been conducted on 6 Indonesian teachers at SMK Negeri 35 Jakarta, SMK Negeri 53 Jakarta, and SMK PGRI 24 Jakarta who teach Electrical Engineering Expertise Concentration, an audio novel with the theme of electricity has never been produced before. The teachers admitted that there were limitations in skills and costs to make learning media to listen

to novels in the form of audiobooks. Schools have also not provided this, because the allocation of school funds is intended for other activities, facilities, and infrastructure. Thus, learning in the classroom uses learning media that is still conventional or uses very simple learning media in organizing learning to listen to novels.

From the literature review, we learned that teaching students about books in the Indonesian language needs to be tailored to their specific needs and interests. Therefore, audiobooks developed as learning media should be adjusted to the theme that students are interested in. The same thing was also expressed by Makransky & Mayer (2022) that learning media developed based on the needs of the applicable curriculum will have a significant impact on students' declarative knowledge, self-efficacy, and interests. Thus, all components in the audiobook developed are related to the applicable curriculum and the learning context of vocational school students that prioritize the vocational side, in Indonesian lessons so that it fits the wants and personalities of the students.

The Design stage is the second stage in this study. The steps taken involve designing products in the form of audiobooks, which serve as a learning medium for Class XI vocational school students to listen to novels. When designing this audiobook, choose the novel's title first. In designing this audiobook, the first thing to do is to determine the title of the novel. The title chosen is "The Miracle of Hallwachs", the title was chosen because it was based on how the researcher tried to maintain the original title of this novel adapted from the pdf version. Next, select the image used in the audiobook. This image is sourced from the pdf version of the novel, in the selection of images the researcher did not use all the existing images. The selected image serves to facilitate students' understanding of the concept of electricity which is part of the story in the novel "The Miracle of Hallwachs". This novel audiobook is designed using Indonesian according to the language in the print version of the novel. The audiobook is divided into 4 chapters which include (1) Chapter 1. Falling in Love, (2) Chapter 2. Experiment, (3) Chapter 3. Spreading Miracles, and (4) Chapter 4. Visit. The images selected to appear in the audiobook include the front cover image of the novel, the images in chapters 1 - 4, and the images that contain the concept of electrical materials. The images appear in the audiobook "The Miracle of Hallwachs" as can be seen in Figure 2.

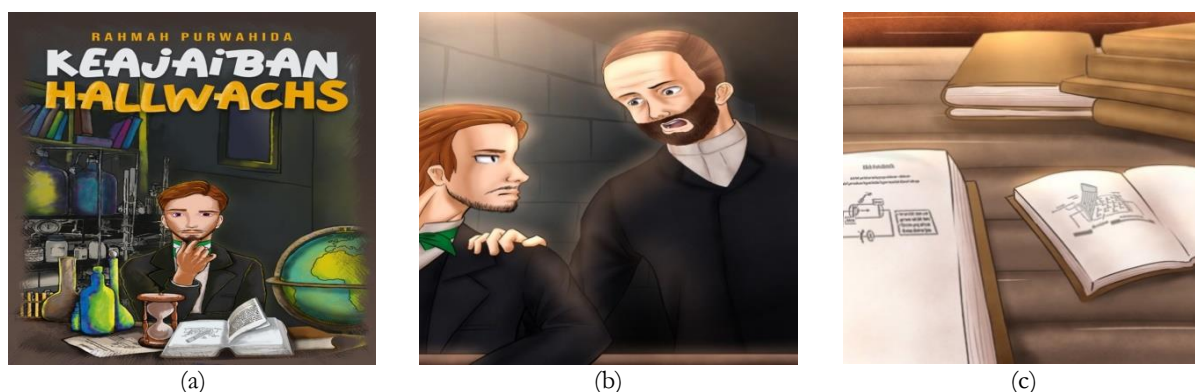


Figure 2. The front cover image of the novel (A), the example of the image in chapter 3 (b), and the image containing the concept of electrical materials (C).

The development of an audiobook entitled "The Miracle of Hallwachs" by Rahmah Purwahida, which was originally in the form of a novel with pdf format, was changed into a novel in the form of an audiobook with the same title, namely "The Miracle of Hallwachs". This audiobook retains all the content of the story contained in the pdf version of the novel. The process of developing the audiobook, namely (1) chapters 1 – 4 is read and recorded using a voice recorder application on a *mobile phone*, using a microphone assistant that processes clear recorded sounds. This is in line with the opinion of Cahyani et al., (2021) that clear voices in learning media not only function as a communication tool, but also as a means to build a conducive learning atmosphere. Therefore, it is important for educators to pay attention to the quality of sound in every learning medium used (Rahma & Mutiaz, 2020). (2) The use of the canva application used to edit the image size of each section of

the audiobook titled "The Miracle of Hallwachs". This canva application is very helpful to adjust the size and portion of the images used, so that the message conveyed by the learning media can be accepted by students. This is in line with what Goldsmith et al., (2016) equate that high-quality images can help convey information more effectively, facilitate a better learning process, and increase the visual appeal of the learning material. (3) The sound recording of the novel chapter 1 – chapter 4 is inserted into Camtasia to adjust the sound effects so that between the narrator's voice and the voice of the characters in the audiobook can be adjusted in height and low, then given an appropriate image in each chapter. (4) at the final stage of the audiobook entitled "The Miracle of Hallwachs" which consists of 4 chapters packaged in the form of 4 mp4 files, which can then be used as a Indonesian learning medium. This is in line with what was conveyed by Widiyanto (2021); Cholikh & Umaroh (2023) that the MP4 format, which is a digital video format, offers various advantages in the delivery of learning materials that can improve student learning effectiveness. Once the "Hallwach Magic" audiobook has been developed, the results can be seen in Figure 3 when the audiobook is used or turned on.

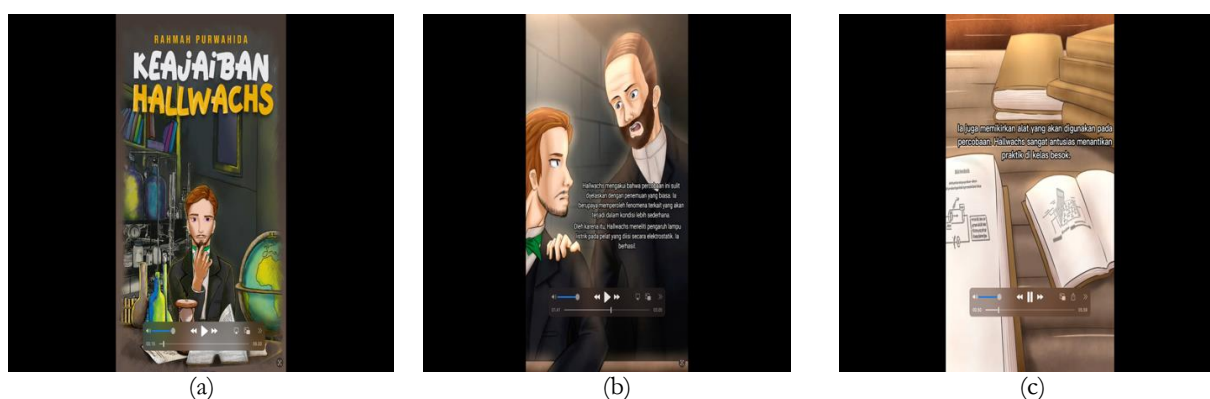


Figure 3. The front cover image of the novel after the audiobook has been developed (a), the front cover image of chapter 3 after the audiobook has been developed (b), and the image containing the concept of electrical materials after the audiobook has been developed (c).

Results of the Validity and Effectiveness Test of Audiobook Media Entitled "The Miracle of Hallwachs"

As soon as the "Hallwach Magic" audiobook was finished, it was tested by speakers, media design experts, and material experts. Following a validity test by subject experts, the average percentage of achievement in all areas was found to be 95.12%. This, along with the interpretation of the Likert scale, showed that the audiobook "The Miracle of Hallwach" was a very good way to learn by listening to novels. The following are the validity results based on the media.

Table 7
Results of Feasibility Test by Media Design Experts

No	Aspects	Score	Total Score	Score Percentage	Interpretation
1	Narrator voice recordings	65	70	92,8%	Very Appropriate
2	Story	65	70	92,8%	Very Appropriate
3	Music	25	25	100%	Very Appropriate
4	Sound effects	19	20	95%	Very Appropriate
5	Image (illustration)	19	20	95%	Very Appropriate
Average of all aspects				95,12%	Very Appropriate

Based on the validator's evaluation, the podcast learning tool called "The Miracle of Hallwach" has pretty good validity. The study results were shown, and it was clear that 95,12% of media design experts agreed with the answer. The signs used to get the results were (1) the voice recording of the narrator, (2) the story, (3) the music, (4) the sound effects, and (5) the pictures. These results show that the standards for the audiobook learning medium called "Hallwach Miracle" are very reasonable.

The validator's evaluation agrees with [Saadah et al., \(2022\)](#) and [Masykuri et al., \(2023\)](#) that good and interesting learning media is essential for giving students an effective and enjoyable learning experience.

Table 8
Results of Feasibility Test by Material Experts

No	Aspects	Score	Total Score	Score Percentage	Interpretation
1	Knowledge	19	20	95%	Very Appropriate
2	Material Accuracy	19	20	95%	Very Appropriate
3	Material Availability	10	10	100%	Very Appropriate
4	Contextual Material	15	15	100%	Very Appropriate
5	Menu	32	35	91,4%	Very Appropriate
Average of all aspects				96,28%	Very Appropriate

The person who checked the material said that the audiobook learning material called "The Miracle of Hallwach" has pretty good truth. From the way the study results were shown, it's clear that 96.28% of material experts answered. As a result of meeting good assessment standards, such as (1) knowledge, (2) accuracy of the material, (3) up-to-date material, (4) contextual material, and (5) presentation, the results were found. These results show that the standards for the audiobook learning medium called "Hallwach Miracle" are very reasonable. According to [Akmalia et al., \(2024\)](#), good and engaging learning media must have both audio and visual elements that work well, use interactive platforms, and be well-designed to get students more involved in the learning process. The results of the assessment given by the validators support this.

Table 9
Results of Qualification Test by Linguists

No	Aspects	Score	Total Score	Score Percentage	Interpretation
1	Style	37	45	82,2%	Very Appropriate
2	Diction (choice of words)	35	35	100%	Very Appropriate
3	Intonation	8	10	80%	Very Appropriate
Average of all aspects				87,4%	Very Appropriate

According to the language validator's report, the podcast learning material called "The Miracle of Hallwach" has pretty good validity. As the study's results were shown, it was clear that 87.4% of those who answered were linguists. The outcomes came from assessment factors that were met in good ways, such as (1) language style, (2) diction, and (3) intonation. These results show that the standards for the audiobook learning medium called "Hallwach Miracle" are very reasonable. The test results from the validators agree with what [Ramdani et al., \(2021\)](#) said: using clear, precise, and interesting language not only helps students understand the material, but it can also get them more interested and motivated to learn, so it is an important thing for teachers to keep in mind.

This study's fourth step is implementation. To do this, an audiobook trial called "The Miracle of Hallwach" was used as a way to learn by listening to novels. The trial had both small group trials and large group trials. The test was given to 32 students in small groups, and the average score was 92.6%. The effects of how well small groups work are shown below.

Table 10
Small Group Test Instruments

No	Criterion	Average Score	Respond	Percentage	Category
	Display of learning media	5			
	Readability of texts on learning media	5			
	Image clarity in learning media	4			
	Clarity of instructions for using links (<i>Google Form & Youtube</i>) on learning materials	5			
	Everything on the learning tools is simple to understand	5			
1	Clarity of material on learning media	5	32	92,6%	Very Appropriate
	Students are strongly encouraged to follow the learning process by learning tools	5			
	The use of learning tools helps students understand the material better	5			
	Learning media is a lot of fun to use	4			
	Clarity of instructions in every question	4			
	The language in each question is easy to understand	4			

Also, 75 students were put through a test with a big group. The test was given to 32 students in small groups, and the average score was 94.9%. The effects of how well small groups work are shown below.

Table 11
Large Group Test Instruments

No	Criterion	Average Score	Respond	Percentage	Category
	Display of learning media	5			
	Readability of texts on learning media	5			
	Image clarity in learning media	4			
	Clarity of instructions for using links (<i>Google Form & Youtube</i>) on learning materials	5			
	Everything on the learning tools is simple to understand	5			
	Clarity of material on learning media	5	75	94,9%	Very Appropriate
	Students are strongly encouraged to follow the learning process by learning tools	5			
	The use of learning tools helps students understand the material better	5			
	Learning media is a lot of fun to use	5			
	Clarity of instructions in every question	4			
	The language in each question is easy to understand	4			

The study's results agree with those of other studies that have said using audiobooks to help students learn Indonesian can improve their results and get them more involved because the medium is useful (Assiddiqhi & Rosa, 2021; Masykuri et al., 2023; Rusmanayanti, 2021). Since the viability test and product trial went well, we can say that the audiobook called "The Miracle of Hallwach" meets the learning goals as described in the Learning Outcomes based on the Independent Curriculum. What was talked about in the audiobook "The Miracle of Hallwach" was linked to everyday electricity topics in a way that interested and motivated students to learn. A good use of accurate pictures and drawings is another strength that can help students understand what the story is about. Students may find it easier to understand what "The Miracle of Hallwach" is about if the language is simple and clear. Students' answers make it even more clear that if you give them relevant teaching materials, their activities will be useful for seeking, finding, and building their own knowledge, making the experience meaningful (Mbagho & Tupen, 2020; Arlina, 2024).

CONCLUSION

The validity test showed that the tape learning media called "The Miracle of Hallwach" made for this study met the standards for validity. Experts in media design conducted a validity test and determined that a success rate of 95.12% is considered excellent. The validity test from experts in the subject showed a 96.28% success rate with a very feasible group. Linguists conducted a validity test and discovered that 87.4% of the cases fit into the "very feasible" group. The experts' validity test showed that the audiobook learning media called "The Miracle of Hallwach" was in line with the curriculum and could connect the material to trade school students' lives. For this reason, the audiobook learning media called "The Miracle of Hallwach" is a great choice for trade school students in the eleventh grade.

Audiobook learning media called "The Miracle of Hallwach" helped grade 11 vocational school students get better at listening to books, as shown by an effectiveness test. A small group of people took an effectiveness test, and the results showed that 92.6% of them were successful, which means they were very likely to work. A big group of people took an effectiveness test, and the results showed that 94.9% of them thought it was effective, which means it was very likely to work. This demonstrates the effectiveness of the podcast learning material, "The Miracle of Hallwach". The study's findings will lead to new and creative ways to learn that meet the needs of trade school students who are trying to improve their listening skills. The podcast "The Miracle of Hallwach" can help Indonesian teachers give their students more ways to learn through listening and get them more interested in learning Indonesian. This media is meant to be an example that can be used to make or change other language-learning tools.

DECLARATIONS

Author contribution	:	Rahmah Purwahida, as the main author, Yosi Wulandari and Norma Nabilah, as the second and third authors are responsible for writing articles, collecting data, analyzing data, then revising according to the reviewer's suggestions and also acting as a manuscript submitter. Maria Angelica Y, as the fourth writer as the director and idealist, as well as helping to formulate arguments in developing the writing framework.
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