Online Flipbook for Facilitating Reading Activity in an Inclusive Class

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Abstract

This study aims to develop an interactive digital flipbook integrating visual elements, sign language, animations, and structured reading materials to enhance reading comprehension and engagement among fourth-grade students in an inclusive classroom. Specifically, this research explores the types of English reading media needed by inclusive students, the design of the flipbook for inclusive classroom use, its content validity, and its practicality. The study employed the ADDIE development model, which includes the phases of Analysis, Design, Development, Implementation, and Evaluation. Data collection involved various instruments such as a need analysis interview guide, teacher and student interview guides, a researcher journal, a product development progress sheet, expert judgment sheets, and practicality questionnaires. The need analysis revealed that inclusive students, particularly those who are deaf and mute, require reading media that is visually rich, interactive, and accessible, with support such as sign language and minimal text complexity. The flipbook was designed with English reading activities, sign language integration, interactive elements, optional audio narration and the final product integrates audio, visuals, animations, and interactive elements to create a comprehensive and inclusive learning experience. The Flipbook not only supports the development of English reading skills but also promotes Pancasila values and national identity. Validation from content experts yielded an average score of 4.875 for content expert judgment and 4.6 for media expert judgment, categorized as "Very Good," indicating that the content was relevant, accessible, and supportive of inclusive learning goals. Practicality tests showed an average score of 4.38 from students and 4.5 from teachers, indicating that the flipbook was easy to use, engaging, and effective in improving reading comprehension. These findings highlight the potential of multimodal flipbooks as a valuable tool in inclusive education to improve learning access and outcomes for students with special needs.

Keywords: Reading Comprehension, Inclusive Education, Special Needs Students, Flipbook, ADDIE Model.

1. Introduction

Reading is a fundamental skill that significantly contributes to shaping intelligent and critically thinking future generations. Grabe and Stoller (2019) emphasized that reading broadens one's knowledge and deepens the understanding of global issues. However, despite its recognized importance, Indonesia continues to struggle with low reading interest. Kusuma (2017) noted that the widespread belief in hoaxes among Indonesians is partially rooted in weak reading habits. UNESCO's data ranks Indonesia 62nd out of 70

countries in reading interest, with only 0.001% of the population actively engaged in reading (Nirmala et al., 2022). This issue becomes more complex within inclusive education settings, where students with hearing and speech impairments face unique challenges in accessing reading materials. For instance, SDN 2 Bengkala in Bali has implemented inclusive education since 2007 by adopting a co-teaching method—one teacher delivers content in Indonesian, while another translates into sign language. This method fosters interaction and mutual understanding between deaf and hearing students. Nonetheless, access to appropriate English reading materials remains limited, especially considering the importance of English as a global language that expands access to professional and social opportunities (Ogunsola, 2005).

Students with hearing impairments often struggle with aspects of English requiring auditory processing, such as listening and speaking (Escobar Fandiño & Silva Velandia, 2020). These students rely heavily on visual input, necessitating early training in visual communication and structured support to develop reading and speaking abilities (Hall et al., 2019). Consequently, the provision of accessible, engaging, and multimodal media is essential. Existing studies support the use of engaging media—such as illustrated storybooks, big books, and flipbooks—as tools to stimulate reading interest and improve literacy skills (Prawiyogi et al., 2020; Robiatul & Basri, 2023; Wulandari, 2021). However, most studies focus on regular classrooms and overlook the specific needs of students with disabilities. Lubis et al. (2024) emphasized the potential of technology-based multimodal media to enhance inclusive education. Among these, flipbooks stand out as an interactive medium integrating text, images, videos, and sound, offering a dynamic learning experience (Lakapu et al., 2023; Akçayır & Akçayır, 2018). These tools also encourage student creativity and motivation (Zainal et al., 2021; Wahyuni, 2022).

Despite its inclusive approach, SDN 2 Bengkala currently depends on standard textbooks and LKS (Lembar Kerja Siswa), which do not accommodate the specific learning needs of deaf students, particularly in learning English. Therefore, innovation in accessible learning media is urgently required. This study aims to investigate the implementation of Flipbook media in inclusive classrooms, focusing on its effectiveness in improving English reading skills of deaf students. It also examines how Flipbooks impact student motivation and participation in learning activities. By exploring the integration of interactive digital media in special education contexts, this research seeks to contribute to the development of inclusive teaching strategies. The article proceeds as follows: the next section reviews relevant theoretical and empirical studies on inclusive education, literacy, and educational technology. The methodology section outlines the research design and procedures. The findings and discussion provide data analysis and interpretation, followed by a conclusion summarizing key insights and offering recommendations for educators, policymakers, and future research.

2. Method

This research employs a Research and Development (R&D) approach following the model proposed by Sugiyono (2019), which is suitable for producing a product and testing its effectiveness through applied research. The study aims to develop an interactive flipbook as a learning media product and evaluate its impact in inclusive classroom settings. Specifically, this research utilizes the ADDIE model (Ramadanti, 2022), which consists of

five stages: analysis, design, development, implementation, and evaluation. During the analysis stage, student needs were identified through document analysis, interviews with teachers and students, classroom observations, and the collection of supporting documentation to understand the instructional context and challenges in reading comprehension among inclusive learners. In the design phase, a detailed learning scenario and visual and audio components were developed for the flipbook, including the preparation of validation instruments such as expert judgment blueprints and the selection of features like sign language, subtitles, animations, and narration to enhance accessibility. The development phase involved creating the flipbook by integrating multimedia elements, followed by validation from educational and media experts to assess the product's quality and relevance. Based on expert feedback, refinements were made to improve functionality and accessibility. The implementation stage consisted of testing the flipbook with fourth-grade students at SDN 2 Bengkala, where teachers incorporated the flipbook into their instructional activities and data were collected through classroom observations and questionnaires to evaluate the media's practicality and effectiveness. Finally, the evaluation phase assessed the flipbook's impact on students' reading comprehension through expert evaluations and practicality tests with both teachers and students, which informed final revisions to optimize the media for broader use.

The research was conducted at SDN 2 Bengkala, focusing on the fourth-grade inclusive classroom composed of 13 students, including 2 students with deafness, 11 regular students, one fourth-grade teacher, and one sign language teacher. These participants were chosen because the flipbook was designed specifically to support reading instruction in this inclusive setting. The object of the research was the interactive flipbook media developed to meet the diverse learning needs of the students.

Data collection involved multiple methods to gather comprehensive information. Structured interviews were conducted with teachers to explore challenges faced in teaching English and strategies effective for engaging inclusive learners. Documentation checking was carried out by reviewing existing teaching materials, textbooks, and curricula to identify gaps and areas for improvement in the instructional content. Classroom observations allowed the researcher to systematically record student behavior, learning difficulties, and teaching methods, which helped tailor the flipbook to actual classroom conditions. Expert judgment sessions with education and media specialists provided critical feedback on the content quality and accessibility of the flipbook. In addition, pre- and post-use questionnaires were distributed to students and teachers to measure their acceptance of the flipbook, its usability, and its impact on reading interest. The questionnaires were mostly close-ended to facilitate quantitative analysis. Complementary instruments such as research diaries and audio evaluation rubrics were used to document reflections and assess verbal components of the flipbook.

Data analysis combined qualitative and quantitative techniques. Qualitative data from interviews, observations, and open-ended questionnaire responses were analyzed thematically to identify common patterns and user feedback. Quantitative data from expert

validation forms and close-ended questionnaires were analyzed descriptively by calculating mean scores and frequency distributions to assess media effectiveness and practicality. Where applicable, basic statistical tests were employed using software tools (e.g., SPSS or Excel) suitable for small sample sizes. Ethical considerations were carefully observed throughout the study. Informed consent was obtained from all participants, including the students' guardians. The research received approval from the relevant educational authorities and ethics committees to ensure participant confidentiality, voluntary participation, and the protection of their rights.

3. Findings

This research was conducted with the primary objective of developing an interactive multimodal flipbook tailored for fourth-grade inclusive classrooms, particularly focusing on students with hearing and speech impairments at SDN 2 Bengkala. The study aimed to answer key questions related to the kinds of reading materials needed by inclusive students, the appropriate design of the flipbook, the content validity of the product, and the practicality of the flipbook as a learning medium in inclusive settings.

To achieve these objectives, the researcher adopted the ADDIE model which consists of five structured stages: Analysis, Design, Development, Implementation, and Evaluation. In the analysis phase, learning needs were identified through document analysis and interviews with teachers and students. The results showed that students required accessible, engaging, and visually enriched materials that could support their reading development. Existing teaching materials, such as worksheets and textbooks, were found to be insufficient for students with disabilities. Thus, the necessity for interactive, sign language-integrated, and visually-rich learning tools became evident.

Table 1 The Interactive Flipbook layout for Teaching Reading for Daily Activities Topic

Element	Description
Front Cover	A visually appealing design with images and text, including the title and key theme.
Introduction Page	A brief overview of the Flipbook's purpose, navigation instructions, and explanation of interactive elements.
Learning Objectives	Clearly stated learning goals with simple text and supporting visuals. HandTalk integration for sign language explanation.
English Reading Activities	Includes vocabulary building, sentence comprehension, and short reading exercises with interactive quizzes.
Sign Language Integration	Clickable sign language symbol that plays a HandTalk App video to support comprehension for deaf and mute students.
Interactive Elements	Clickable prompts, comprehension questions, image-based exercises, and engaging learning activities.
Audio Narration (Optional)	Clear English narration with subtitles in Indonesian and sign language.
Back Cover	Includes developer information, copyright details, and contact information.

During the design and development phases, the flipbook was constructed using the Heyzine platform and integrated multiple learning components, including texts, images, animations, and videos with sign language support. This design was strongly aligned with

the Merdeka Curriculum and the Pancasila Student Profile. Visual aesthetics, interactivity, and ease of navigation were considered crucial in accommodating both regular and special needs students. The content covered topics such as daily activities and vocabulary, presented in ways that promote literacy development and encourage active student participation.

Table 2 Content Validity of the Flipbook

No.	Description	Score	Reason
1	Structure	5	The flipbook effectively introduce present tense concepts with well-organized content.
2	Context and Moral Value	5	The flipbook presents clear and structured explanations of the vocabulary and grammar related to daily activities in English.
3	Interactivity	4	The use of simple and clear language ensures inclusivity.
4	Language Accessibility	5	Everyday life examples help students relate to the learning material.
5	Visual Design	5	Although quizzes are included, additional interactive elements such as gamification could enhance engagement.
6	Examples	5	A more visually appealing presentation with animations may improve learning outcomes.
7	Quiz Section	5	The grammar explanations are clear and well-structured, making it easier for learners to understand and apply the rules.
8	Grammar Explanation	5	The grammar explanations are clear and well-structured, making it easier for learners to understand and apply the rules.

The table presents an evaluation of the interactive learning materials used in the flipbook, focusing on key aspects such as structure, interactivity, language accessibility, visual design, examples, grammar explanation and the quiz section. Each criterion was assessed based on clarity, engagement, and effectiveness in teaching grammar concepts. The results indicate that the flipbook is well-structured, with clear grammar explanations and relatable everyday-life examples that help students understand the material. Additionally, the visual design and examples received high scores for their effectiveness in improving learning outcomes. While the interactivity and structure were rated positively, there is room for enhancement through additional interactive elements, such as gamification, to further engage learners. The quiz section was recognized for its structured and clear explanations but could benefit from a greater variety of question types and feedback mechanisms to reinforce learning. Overall, the evaluation highlights the flipbook as a valuable educational resource with potential areas for improvement in interactivity and assessment variety.

Figure 1 Flipbook Final Product

The Flipbook designed for 4th-grade inclusive classrooms, especially for deaf and mute students, emphasizes motivation, interactivity, and visual clarity to meet diverse learning needs. It uses simple, age-appropriate, and culturally relevant visuals to support comprehension and assessment. Developed with Canva and Heyzine, and incorporating sign language via the HandTalk App, the Flipbook includes a front cover, introduction, learning objectives, English reading activities, sign language videos, interactive quizzes, and optional audio. The content aligns with the Merdeka Curriculum and focuses on vocabulary building and reading comprehension. A step-by-step development process ensured consistency, accessibility, and alignment with learning goals. Feedback-based revisions led to a 15-page interactive product available online or offline. The final Flipbook integrates multimedia elements to support inclusive learning and promotes both language skills and national values effectively.

Table 3 Comparison Content Expert Judgement Results by expert 1 and expert 2

Aspect	Expert 1	Expert 2
Structure	5	5
Context & Moral Values	5	5
Language Accessibility	5	5
Examples	5	5
Interactivity	4	4
Visual Design	5	5
Grammar Explanation	5	5
Quiz Section	5	5

The content validity of the flipbook was assessed by two expert judges using the Nurkancana and Sunartana (1992) evaluation framework. Based on expert assessment, the flipbook earned an average score of 4.875 out of 5, which is categorized as "Very Good". Evaluation indicators included structure, context and moral values, language accessibility, interactivity, grammar explanations, visual design, and quizzes. Experts agreed that the flipbook was pedagogically sound, effectively conveyed learning objectives, and provided appropriate visual and linguistic support. However, they also pointed out that interactivity could be further enhanced through gamification or adaptive learning elements, which were considered for improvement in the final revision of the product.

Following the validation stage, the practicality of the flipbook was tested in real classroom settings. This was evaluated using the Technology Acceptance Model (TAM) framework, which assessed four core dimensions: Perceived Ease of Use, Perceived Usefulness, Attitude Toward Using, and Acceptance of E-learning Systems. Feedback from students and teachers was collected through questionnaires. Students gave the flipbook a practicality score of 4.38, while teachers gave it a score of 4.5, both falling within the "Very Good" category. The flipbook was deemed easy to navigate, visually appealing, and helpful in explaining abstract English vocabulary and sentence structure. Sign language integration was specifically appreciated by hearing-impaired students, allowing them to participate equally in classroom activities.

Moreover, students expressed enthusiasm about the use of animations and interactive quizzes. These elements were effective in capturing their interest and encouraging self-directed learning. Teachers, on the other hand, found the flipbook beneficial in reducing their instructional burden and supporting differentiated instruction. However, some limitations were noted, including minor audio inconsistencies, potential visual fatigue from long periods of use, and the need for brief tutorials to support students with low digital literacy.

From the findings, it can be concluded that the flipbook successfully addressed the learning needs of inclusive students at SDN 2 Bengkala. It provided a meaningful and engaging alternative to traditional teaching methods, helped close accessibility gaps, and promoted a more inclusive learning environment. The research also demonstrated that digital flipbooks, when designed with accessibility and user engagement in mind, can be a powerful educational tool in inclusive education settings..

4. Discussions

The discussion highlights the significance of using multimodal digital tools, such as interactive flipbooks, to address the learning needs of students in inclusive classrooms. In particular, deaf and mute students require visually rich and accessible materials to understand English reading content. The Flipbook developed in this study successfully met those needs by combining visuals, sign language, animations, and simplified text. These elements not only captured students' attention but also supported their comprehension, making the learning process more inclusive and equitable.

The integration of sign language videos within the Flipbook emerged as a key innovation that directly addressed the communication barriers faced by hearing-impaired students. Through the use of the HandTalk App, sign language explanations were embedded into the learning content, allowing students to engage with the material independently and confidently. This supports the notion that accessibility features must go beyond physical accommodations and must be embedded within the content delivery itself to create truly inclusive education.

In terms of usability and practicality, feedback from both teachers and students indicated that the Flipbook was easy to use, engaging, and aligned well with the learning objectives. The interactivity and multimedia features helped maintain student focus, which is often a challenge in inclusive settings. Teachers appreciated the clarity and structure of the Flipbook, which helped streamline lesson delivery and reduced the need for additional

resources. These results demonstrate the potential for flipbooks to be adopted more widely in inclusive educational contexts, especially where differentiated instruction is essential.

Overall, the discussion supports the effectiveness of the ADDIE model in developing educational media tailored for diverse learners. By following a systematic approach, starting from needs analysis to evaluation, the Flipbook achieved strong content validity and practical usability. This study reinforces the value of integrating technology and inclusive pedagogy to enhance student engagement and learning outcomes. It also encourages future educators and developers to consider similar tools when designing materials for inclusive or special needs education.

5. Conclusion and Suggestion

The study concluded that the development of a digital interactive flipbook for teaching English reading to fourth-grade students in an inclusive class at SDN 2 Bengkala was systematic and effective. Through initial needs analysis, it was found that inclusive students, particularly those with hearing and speech impairments, benefit from engaging, visually supported media. The flipbook was developed using the ADDIE model and featured readable text, visuals, animations, sign language, and interactive elements. Expert evaluations rated the design and content as "Very Good," confirming its quality and alignment with curriculum goals. Practicality tests involving students and teachers also yielded "Very Good" ratings, indicating its usability and effectiveness in real classroom settings. While some technical improvements were suggested, the flipbook proved to be a valid, inclusive, and accessible learning tool that supports equitable English education.

The study offers several recommendations to support inclusive education through the use of digital Flipbook media. Teachers are encouraged to integrate Flipbook into their teaching strategies and receive proper training in educational technology. Schools should provide adequate infrastructure and regular training to support tech-based learning, particularly for students with special needs. Future researchers are advised to expand the study's scope and explore advanced interactive technologies like augmented reality or virtual reality, as well as assess the long-term effectiveness of such media. Governments are urged to support inclusive education through funding, policy-making, and curriculum development. Students are encouraged to use Flipbook actively to enhance independent learning, creativity, and critical thinking. In summary, the successful implementation of Flipbook requires collaborative efforts from all stakeholders to ensure it becomes a sustainable tool in achieving inclusive and quality education for all learners.

References

Abdullah, M. Z. , & Mamat, M. (2018). The effects of Flipped Classroom instructions on student's motivation in Algebraic Component. Jurnal Pendidikan Sains Dan Matematik Malaysia, 8(2).

Akçayır, G. , & Akçayır, M. (2018). The flipped classroom: A review of its advantages and challenges. Computers & Education, 126. https://doi.org/https://doi.org/10.1016/j.compedu.2018.07.021

Al-Gahtani, S. S. (2016a). Empirical investigation of e-learning acceptance and assimilation: A structural equation model. Applied Computing and Informatics, 12(1), 27–50. https://doi.org/10.1016/j.aci.2014.09.001

Al-Gahtani, S. S. (2016b). Empirical investigation of e-learning acceptance and assimilation: A structural equation model. Applied Computing and Informatics, 12(1), 27–50. https://doi.org/10.1016/j.aci.2014.09.001

Alpiyah, A. , Ambarita, A. , & Pargito, P. (2021). The development of environmentbased picture storybooks to increase the fourth grade students' reading interest.

Amri, U., Rifma, R., & Syahril, S. (2021). Konsistensi Kebijakan Pendidikan di Indonesia. EDUKATIF : JURNAL ILMU PENDIDIKAN, 3(5), 2200–2205. https://doi.org/10.31004/edukatif.v3i5.778

Andrews, J. F., Hamilton, B., Dunn, K. M., & Clark, M. D. (2016). Early Reading for Young Deaf and Hard of Hearing Children. Alternative Frameworks. Psychology, 7(4), 510–522. https://doi.org/10.4236/psych.2016.74052

Arif, W. N., Herlina, H., & Nopprima, A. L. (n.d.). PENINGKATAN PEMBUATAN KERIPIK PISANG MELALUI PELATIHAN IMPROVEMENT OF BANANA CHIPS THROUGH VOCATIONAL TRAINING FOR DEAF CHILDREN GRADE IX AT KURNIA PONCOWATI.

Bahri, A. , & Ulviani, M. (2023). Pengaruh Penggunaan Media Flip Book Dalam Meningkatkan Minat Belajar Bahasa Indonesia Siswa Kelas V SD Inpres Samata Kecamatan Somba Opu Kabupaten Gowa. 1(3). https://doi.org/10.61132/bima.v1i3.103

Bintoro, S., Suryana, D., & Hidayat, A. (2023). The teacher strategies in teaching sign language for deaf students in inclusive classroom. Cogent Education, 10(1).

Chau, P. Y. K. (1996). An Empirical Assessment of a Modified Technology Acceptance Model. Journal of Management Information Systems, 13(2), 185–204.

Enu-Kwesi, F., & Opoku, M. O. (2020). Relevance of the technology acceptance model (TAM) in information management research: a review of selected empirical evidence. Pressacademia, 7(1), 34–44. https://doi.org/10.17261/pressacademia.2020.1186

Escobar Fandiño, & Silva Velandia, A. J. (2020). How an online tutor motivates E-learning English. Heliyon, 6(8). https://doi.org/https://doi.org/10.1016/j.heliyon.2020.e04630

Fotiadis, T. (2020). Teaching students with special needs through digital media at universities (Guidebook). https://www.researchgate.net/publication/369762913

Friska, Y. (2023). Inclusive English Class in Higher Education: A Challenge. In Journal of Education Research (Vol. 4, Issue 4).

Grabe, W., & Stoller, F. L. (2019). Teaching and researching reading. Routledge.

Gregory, R. J. (2015a). Psychological Testing History, Principles, and Applications. Pearson Education Inc.

Gregory, R. J. (2015b). Psychological Testing History, Principles, and Applications. Pearson Education Inc.

Hall, M. L., Hall, W. C., & Caselli, N. K. (2019). Deaf children need language, not (just) speech. First Language, 39(4), 367–395.

Hasanah Lubis, L., Febriani, B. , Fitra Yana, R., Azhar, A. , & Darajat, M. (2023). The Use of Learning Media and its Effect on Improving the Quality of Student Learning Outcomes. Journal Of Education, Social Studies, And Management (IJESSM), 3(2), 7–14. https://doi.org/10.52121/ijessm.v3i2.148

Hastiwi, F., Khasanah, U., Wahyuningsih, S., Dahlan, U. A., & Kleco, S. M. (2023). Kalam Cendekia: Jurnal Ilmiah Kependidikan Peningkatan Keaktifan Dan Hasil Belajar IPAS Menggunakan Model Problem Based Learning Kelas IV SD Muhammadiyah Kleco 2 Tahun Ajaran 2022/2023.

H.Douglas Brown. (2000). [H._Douglas_Brown]_Teaching_by_Principles,_Second_(BookFi.org).pdf. In Teaching by Principles An Interactive Approach to Language Pedagogy (p. 491).

Kemendikbud. (2018). Indonesia Educational Statistics In Brief.

Kementrian PPN/Bappenas. (2018). PENGEMBANGAN DIGITAL GOVERNMENT (Vol. 1). Dewan Teknologi Informasi dan Komunikasi Nasional.

Kusuma, C. S. D. (2017). Counteract hoax through reading interest motivation. Science (ICEBESS) Proceeding. Universitas Negeri Yogyakarta-Fakultas Ekonomi, 34–35.

Lakapu, P. A. , Djara, J. I. , Lakapu, D. E. , & Debrina A. Nifus. (2023). The Application Of Flip Book Media to Increasing Elementary Children's Learning Interest. International Journal of Educational Science and Development, 1(1).

Lederberg, A. R., Schick, B. , & Spencer, P. E. (2013). Language and literacy development of deaf and hard-of-hearing children: successes and challenges. Developmental Psychology, 49(1), 15.

Legramante, D., Azevedo, A., & Azevedo, J. M. (2023). Integration of the technology acceptance model and the information systems success model in the analysis of Moodle's satisfaction and continuity of use. International Journal of Information and Learning Technology, 40(5), 467–484. https://doi.org/10.1108/IJILT-12-2022-0231

Liu, S. , Sui, Y. , You, Z. , Shi, J. , Wang, Z. , & Zhong, C. (2023). Reading better with AR or print picture books? A quasi-experiment on primary school students' reading comprehension, story retelling and reading motivation. Education and Information Technologies, 1–20.

Lubis, R. , Bundu, P. , & Gani, H. A. (2024). Development of a learning model for islamic religious education based on a flipbook e-module for junior high school student achievement. . . Journal of Multidisciplinary Academic and Practice Studies, 2(2).

Masitoh, S. (2021). Siti masitoh nim: 17551064.

Mastuti, D. L., Syahadati, E., & Pgri Pontianak, I. (2020). SeBaSa Jurnal Pendidikan Bahasa dan Sastra Indonesia THE DEVELOPMENT OF INDONESIAN TEACHING MEDIA FOR CHILDREN WITH SPECIAL NEEDS. http://e-journal.hamzanwadi.ac.id/index.php/sbs

Mayer, R. E. (2012a). Multimedia Learning. Encyclopedia of the Sciences of Learning, 41, 2372–2375. https://doi.org/10.1007/978-1-4419-1428-6_285

Mayer, R. E. (2012b). Multimedia Learning. Encyclopedia of the Sciences of Learning, 41, 2372–2375. https://doi.org/10.1007/978-1-4419-1428-6_285

Meinzen-Derr J., Wiley, S. , Grether, S. , Phillips, J., Choo, D., Hibner, J., & Barnard, H. (2014). Functional communication of children who are deaf or hard-of-hearing. Journal of Developmental & Behavioral Pediatrics, 35(3), 197–206.

Miles, M. B., & Huberman, A. M. (2014). Qualitative data analysis (illustrate). SAGE.

Muzakki Zein, A., Muhith, A., & Sapto Wahono, S. (2024a). Journal of Elementary Education Digital Flipbook-Based Learning Media Design in Integrated Thematic Learning on the Theme of Growth and Development of Living Things in Class III Inclusive Elementary School. In Attadib: Journal of Elementary Education SINTA (Vol. 8, Issue 1).

Muzakki Zein, A., Muhith, A., & Sapto Wahono, S. (2024b). Journal of Elementary Education Digital Flipbook-Based Learning Media Design in Integrated Thematic Learning on the Theme of Growth and Development of Living Things in Class III Inclusive Elementary School. In Attadib: Journal of Elementary Education SINTA (Vol. 8, Issue 1).

Nirmala, I., Ilmi, N. , & Fahrullah. (2022). Encouraging Community Reading Interest through Digital Libraries in Karawang Regency. Jurnal Pengabdian Masyarakat Bestari, 1(9), 1017–1024. https://doi.org/10.55927/jpmb.v1i9.2059

Nur, F., & Kurniawati, A. (2022). MENINJAU PERMASALAHAN RENDAHNYA KUALITAS PENDIDIKAN DI INDONESIA DAN SOLUSI. In AoEJ: Academy of Education Journal (Vol. 13, Issue 1).

Nur Rianto Al Arif, & Euis Amalia. (2010). Teori Mikroekonomi: Suatu Perbandingan Ekonomi Islam dan Ekonomi Konvensional (Pertama). Kencana.

Nurkencana, W., & Sunartana, P. P. (1992). Education Evaluation. Usaha Nasional.

Ogunsola, L. A. (2005). Information and communication technologies and the effects of globalization: Twenty-first century "digital slavery" for developing countries—Myth or reality?

Pramesti, A. S. A., Khairiyah, N. A., Rahmah, E. S., Putri, N. A. P. I., & Setyowati, L. (2023). Exploring the Teaching of English in an inclusive classroom: a Case Study. Linguista: Jurnal Ilmiah Bahasa, Sastra, Dan Pembelajarannya, 7(1), 35–46. https://doi.org/10.25273/linguista.v7i1.18994

Prawiyogi, A. G. , Fitri, A. , & Suhardiman, S. (2020). Use Of Big Book Media Towards Interest In Reading Elementary School Students. International Journal of Theory and Application in Elementary and Secondary School Education, 2(1). https://doi.org/10.31098/ijtaese.v2i1.164

Puspita, C., & Handayani, T. (2024). Pengaruh Endorsment Influencer Instagram Terhadap Keputusan Pembelian pada Generasi Z: Studi Empiris. Al Qalam: Jurnal Ilmiah Keagamaan Dan Kemasyarakatan, 18(5), 3632. https://doi.org/10.35931/aq.v18i5.3995

Puspitasari, D. (2019). English Language Teaching in Inclusive Class: a Challenge (Vol. 11, Issue 1).

Ramadanti, A. (2022). Education and Human Development Journal Media for Teaching English to Children with Mental Retardation. Tahun, 7(1). https://doi.org/10.33086/ehdj.v7i1.2713

Ratnasari, D. H., & Nugraheni, N. (2024). PENINGKATAN KUALITAS PENDIDIKAN DI INDONESIA DALAM MEWUJUDKAN PROGRAM SUSTAINABLE DEVELOPMENT GOALS (SDGS). Jurnal Citra Pendidikan, 4(2), 1652–1665. https://doi.org/10.38048/jcp.v4i2.3622

Richards, J. C. (2005). Communicative language teaching today. SEAMEO Regional Language Centre .

Robiatul, L. , & Basri, M. (2023). The Use of Word Card Media for Letter Recognition in Early Students. Scaffolding: Jurnal Pendidikan Islam Dan Multikulturalisme, 5(1).

Said, I., Bulsink, A., & Dekker, M. (n.d.). Speech, Language, and Swallowing Difficulties in Neurology: A Sub-Saharan African Perspective. Handbook of Speech-Language Therapy in Sub-Saharan Africa: Integrating Research and Practice.

Setyorini, R. , Saddhono, K. , Ermanto, Wildan, M. , & Kirom, S. (2019). The Effort of Implementing of the Big Book as A Media to Improve the Intelligence of Linguistic Verbals for Early Childhood. Journal of Physics: Conference Series, 1339(1). https://doi.org/10.1088/1742-6596/1339/1/012087

Shield, A. , Knapke, K. , Henry, M. , Srinivasan, S. , & Bhat, A. (2017). Impaired praxis in gesture imitation by deaf children with autism spectrum disorder. Autism & Developmental Language Impairments, 2.

Siahaan, M. K. (2022). Education For Children With Special Needs. The Explora. 8(2). https://doi.org/10.51622/explora.v8i2.642

Simanullang, M., & Sinaga, R. T. (2019). The Effect of Applying Scanning and Skimming Strategy on the Students' Reading Comprehension of Grade Eight at SMP Negeri 3 Muara in Academic Year 2017/2018. Tapanuli Journals, 1(2), 332–342.

Snickars, P. , & Vonderau, P. (2012). Moving data: The iPhone and the future of media. Columbia University Press.

Sugiyono. (2019). Metodelogi Penelitian Kuantitatif dan Kualitatif Dan R&D. Alfa Beta.

Taylor, S. and Todd, P. A. (1995). Assessing IT usage. MIS Quarterly, 19, 561-570.

Venkatesh, Viswanath, Morris, Michael G., Davis, Gordon B., Davis, F. D. (2003). "User Acceptance of Information Technology: Toward a Unified View. MIS Quarterly, 425-478.

Verbina Ginting, E., Renata Ginting, R., & Jannah Hasibuan, R. (2022). ANALISIS FAKTOR TIDAK MERATANYA PENDIDIKAN DI SDN0704 SUNGAI KORANG. https://doi.org/10.36418/japendi.v3i4.778

Wahab Syakrani, A., Tinggi Agama Islam Rasyidiyah Khalidiyah Amuntai, S., Hamid Sekolah Tinggi Agama Islam Rasyidiyah Khalidiyah Amuntai, A., Ahmad Bakri Sekolah Tinggi Agama Islam Rasyidiyah Khalidiyah Amuntai, I., Bahruddin Sekolah Tinggi Agama Islam Rasyidiyah Khalidiyah Amuntai, I. M., & Khairun Najemi Sekolah Tinggi Agama Islam Rasyidiyah Khalidiyah Amuntai, I. M. (2022). PENDIDIKAN DAN SISTEM PENDIDIKAN DI NEGARA INDONESIA DAN NEGARA LAIN. ADIBA: JOURNAL OF EDUCATION, 2(3), 399–412.

Wahyuni, S. (2022). Bab V Literasi Digital dan Media Sosial dalam Pembelajaran. Literasi Digital Berbasis Pendidikan.

Widuri, A. (2015). Kemampuan Membaca pada Anak Tuna Rungu di SLB-B Karnnamanohara Yogyakarta Reading Ability of Deaf Children at SLB-B Karnnamanohara . 10(1), 29–36.

Wulandari, B. (2021). Prosedur Pemberian Kredit Pada PT. Bank Perkreditan Rakyat (BPR) Puri Artha Pacitan . Jurnal Perbankan Dan Keuangan: Perbanas.

Zainal, Z. , Halik, A. , Sultan, M. A. , & Resa, A. (2021). Development of Geometry Flipbook Multimedia Learning Media for Elementary School students in Mattiro Bulu District, Pinrang Regency. Journal of Educational, 7(2).