

DAFTAR PUSTAKA

- [1] E. Oktavianingtyas, “MEDIA UNTUK MENGEFETIFKAN PEMBELAJARAN OPERASI HITUNG DASAR MATEMATIKA SISWA JENJANG PENDIDIKAN DASAR,” 2015. Accessed: Jul. 28, 2023. [Online]. Available: <https://jurnal.unej.ac.id/index.php/pancaran/article/view/2190>
- [2] E. Maelasari and A. Jupri, “Analysis of Student Errors on Division of Fractions,” in *Journal of Physics: Conference Series*, Institute of Physics Publishing, Mar. 2017. doi: 10.1088/1742-6596/812/1/012033.
- [3] N. W. Damayanti, S. N. Mayangsari, D. Liza, and T. Mahardhika, “ANALISIS KESALAHAN SISWA DALAM PEMAHAMAN KONSEP OPERASI HITUNG PADA PECAHAN,” *Jurnal Ilmiah Edutic*, vol. 4, no. 1, 2017.
- [4] D. E. Lestari and D. D. Suryadi, “Analisis Kesulitan Operasi Hitung Bentuk Aljabar,” 2020.
- [5] S. G. Sidik and A. A. Wakih, “KESULITAN BELAJAR MATEMATIK SISWA SEKOLAH DASAR PADA OPERASI HITUNG BILANGAN BULAT,” 2019.
- [6] T. Nurrita, “PENGEMBANGAN MEDIA PEMBELAJARAN UNTUK MENINGKATKAN HASIL BELAJAR SISWA,” 2018. doi: <https://dx.doi.org/10.33511/misykat.v3i1.52>.
- [7] J. M. Sumilat, “PEMANFAATAN MEDIA PEMBELAJARAN MATEMATIKA INTERAKTIF UNTUK MENINGKATKAN HASIL BELAJAR SISWA DI SD NEGERI 2 TATAARAN,” *Jurnal Inventa*, vol. II, no. 1, 2018.
- [8] L. A. Wedayanti and I. W. Wiarta, “Multimedia Interaktif Berbasis Problem Based Learning Pada Muatan Matematika Kelas IV SD,” *MIMBAR PGSD Undiksha*, vol. 10, no. 1, pp. 113–122, May 2022, doi: 10.23887/jjpgsd.v10i1.46320.

- [9] R. Setianingsih, “Pengembangan desain interaksi dalam pembelajaran matematika realistik untuk siswa sekolah dasar yang memperhatikan beban kognitif, scaffolding dan zone of proximal development,” 2017.
- [10] A. S. Dian Martha, H. Budi Santoso, K. Junus, and H. Suhartanto, “Usability Evaluation of the MeMo Tutor: A Scaffolding-Based Pedagogical Agent to Facilitate Learning,” in *Proceedings - 2021 International Conference on Software Engineering and Computer Systems and 4th International Conference on Computational Science and Information Management, ICSECS-ICOCSIM 2021*, Institute of Electrical and Electronics Engineers Inc., Aug. 2021, pp. 360–364. doi: 10.1109/ICSECS52883.2021.00072.
- [11] A. Madan and S. Kumar Dubey, “USABILITY EVALUATION METHODS: A LITERATURE REVIEW,” 2012. [Online]. Available: <http://www.amity.edu>
- [12] H. Naufal and A. G. Persada, “Desain Interaksi Berbasis User Experience pada Mobile Application : Suatu Tinjauan Literatur.”
- [13] R. Candra, N. Santi, and A. Fitriyah, “Perancangan Interaksi Pengguna (User Interaction Design) Menggunakan Metode Prototyping,” vol. 9, no. 2, 2016.
- [14] A. Williams, *User-Centered Design, Activity-Centered Design, and Goal-Directed Design: A Review of Three Methods for Designing Web Applications*. ACM, 2009.
- [15] A. Seffah, N. Kececi, and M. Donyaee, “QUIM: A framework for quantifying usability metrics in software quality models,” in *Proceedings - 2nd Asia-Pacific Conference on Quality Software, APAQS 2001*, Institute of Electrical and Electronics Engineers Inc., 2001, pp. 311–318. doi: 10.1109/APAQS.2001.990036.
- [16] M. Nurunnisa, N. P. Nuryadi, S. Solihat, P. Sistem, and D. T. Informasi, “Perancangan User Interface Aplikasi Aritmatika Tingkat Rendah Menggunakan Metode Design Thinking,” *Jurnal Ilmu-ilmu Informatika dan Manajemen STMIK*, vol. 16, no. 1, 2022.

- [17] K. Hendra Yoga Wijaya Geni, I. Komang Sudarma, and L. Putu Putrini Mahadewi, “Pengembangan Multimedia Pembelajaran Interaktif Berpendekatan CTL Pada Pembelajaran Tematik Siswa Kelas IV SD,” 2020. [Online]. Available: <https://ejournal.undiksha.ac.id/index.php/JEU>
- [18] “KONSEP MULTIMEDIA PEMBELAJARAN INTERAKTIF.”
- [19] H. K. N. Ningsih, “Desain pembelajaran Pendidikan Agama Islam (PAI) di Ma’had Darul Ma’arif Patani Thailand Selatan,” 2015, Accessed: Jun. 26, 2023. [Online]. Available: <http://etheses.uin-malang.ac.id/id/eprint/2941>
- [20] The Interaction Design Foundation, “Interaction Design”, Accessed: Jul. 16, 2023. [Online]. Available: <https://www.interaction-design.org/literature/topics/interaction-design>
- [21] M. Multazam, “Perancangan User Interface dan User Experience pada Placeplus menggunakan pendekatan User Centered Design,” *Universitas Islam Indonesia*, vol. 1, no. no 2, pp. 8–10, 2020, [Online]. Available: <https://journal.uii.ac.id/AUTOMATA/article/view/15528/10233>
- [22] M. Chappal, “The 6 key principles of UI design,” 2021. <https://maze.co/collections/ux-ui-design/ui-design-principles/> (accessed Nov. 09, 2022).
- [23] A. R. Dopp, K. E. Parisi, S. A. Munson, and A. R. Lyon, “A glossary of user-centered design strategies for implementation experts,” *Transl Behav Med*, vol. 9, no. 6, pp. 1057–1064, Oct. 2019, doi: 10.1093/tbm/iby119.
- [24] A. Krisnoanto, A. Hendra Brata, and M. T. Ananta, “Penerapan Metode User Centered Design Pada Aplikasi E-Learning Berbasis Android (Studi Kasus: SMAN 3 Sidoarjo),” 2018. [Online]. Available: <http://j-ptiik.ub.ac.id>
- [25] C. Wei and F. Xing, *The comparison of user-centered design and goal-directed design*. IEEE, 2011.
- [26] The Interaction Design Foundation, “Personas – A Simple Introduction”, Accessed: Jul. 16, 2023. [Online]. Available: <https://www.interaction-design.org/literature/article/personas-why-and-how-you-should-use-them>

- [27] P. Faller, “Putting Personas to Work in UX Design: What They Are and Why They’re Important,” 2019. <https://xd.adobe.com/ideas/process/user-research/putting-personas-to-work-in-ux-design/> (accessed Nov. 05, 2022).
- [28] K. M. Ghufron, W. A. Kusuma, and F. Fauzan, “Penggunaan User Persona Untuk Evaluasi Dan Meningkatkan Ekspektasi Pengguna Dalam Kebutuhan Sistem Informasi Akademik,” *SINTECH (Science and Information Technology) Journal*, vol. 3, no. 2, pp. 90–99, 2020, doi: 10.31598/sintechjournal.v3i2.587.
- [29] D. C. Lane, “Friendly amendment: A commentary on Doyle and Ford’s proposed re-definition of mentalof mental model’,” 1999.
- [30] Adam Ardisasmita, “Mengenal Konsep Mental Model Dalam Merancang User Experience”.
- [31] D. Kim, P. Kang, J. Yun, S. H. Park, J. W. Seo, and P. Park, “Study on user interface of pathology picture archiving and communication system,” *Healthc Inform Res*, vol. 20, no. 1, pp. 45–51, 2014, doi: 10.4258/hir.2014.20.1.45.
- [32] M. Panchenko, “Measuring the Intangible. Usability Metrics,” 2019. <https://www.eleken.co/blog-posts/usability-metrics#:~:text=What> are usability metrics%3F, the product is for users. (accessed Nov. 01, 2022).
- [33] A. Seffah, M. Donyaee, R. B. Kline, and H. K. Padda, “Usability measurement and metrics: A consolidated model,” *Software Quality Journal*, vol. 14, no. 2, pp. 159–178, 2006, doi: 10.1007/s11219-006-7600-8.
- [34] A. Krisnoanto, A. Hendra Brata, and M. T. Ananta, “Penerapan Metode User Centered Design Pada Aplikasi E-Learning Berbasis Android (Studi Kasus: SMAN 3 Sidoarjo),” vol. 2, no. 12, pp. 6495–6501, 2018, [Online]. Available: <http://j-ptiik.ub.ac.id>
- [35] S. MJS, M. ASD, and Hardikusuma. Aristyo, “Perancangan User Interface Aplikasi Pembelajaran Bangun Ruang Untuk Siswa Kelas V Sekolah Dasar Menggunakan Metode User Centered Design,” 2022.