

DAFTAR PUSTAKA

- Akshita, G. (2023). Factors Influencing Biomechanics during Pregnancy and Ergonomic Modifications to Alleviate Discomfort: A Descriptive Review. *Ergonomics International Journal*, 7(4). <https://doi.org/10.23880/eoij-16000311>
- Araujo, M. P. V., Cevallos, H. C. G., & Doménica, A. V. F. (2024). New technologies in pregnancy monitoring. *Data and Metadata*, 3. <https://doi.org/10.56294/DM2024.235>
- Ariani, D., Indah Purnama Eka Sari, W., DIV Kebidanan, P., Kesehatan Kemenkes Bengkulu, P., DIII Kebidanan Curup, P., Kesehatan Kemenkes Bengkulu, P., DIII Keperawatan Curup, P., & Naskah, G. (2024). PENGARUH PRENATAL YOGA KOMBINASI KOMPRES HANGAT TERHADAP NYERI PUNGGUNG IBU HAMIL TRIMESTER III. *JMSWH Journal of Midwifery Science and Women's Health*, 24. <https://doi.org/10.36082/jmswh.v5i1.1846>
- Barreto, L. P., Neto, F. M. M., Paiva, M., De Freitas, R. E. T., Rocha, S. R., & Monteiro, B. S. (2024). Gamified *mobile* application as a didactic strategy for pregnant women: A proposal for health education. *Procedia Computer Science*, 239, 437–444. <https://doi.org/10.1016/j.procs.2024.06.191>
- BKKBN. (2022, September 7). *Tim Pendamping Keluarga : Berapa Usia Menikah Perempuan yang Ideal*. <https://kampungkb.bkkbn.go.id/kampung/12121/intervensi/779740/tim-pendamping-keluarga-berapa-usia-menikah-perempuan-yang-ideal>
- Davies, A., & Mueller, J. (2020). *Developing Medical Apps and mHealth Interventions: A Guide for Researchers, Physicians and Informaticians*. Springer. <https://doi.org/https://doi.org/10.1007/978-3-030-47499-7>
- Dewi, F. M., & Kusumadewi, R. R. (2025). Pengaruh Body Mekanik Terhadap Penurunan Nyeri Punggung Pada Ibu Hamil. *JHN : Journal of Health and Nursing E-ISSN*, 3.
- Díaz, L. V. M. (2022, November 16). What is a User Interface, again? A Survey of Definitions of User Interface Our shared and implicit understanding of the concept of User Interface. *ACM International Conference Proceeding Series*. <https://doi.org/10.1145/3565494.3565504>
- Duchette, C., Perera, M., Arnett, S., White, E., Belcher, E., & Tinius, R. (2024). Benefits of Resistance Training During Pregnancy for Maternal and Fetal Health: A Brief Overview. Dalam *International Journal of Women's Health*

(Vol. 16, hlm. 1137–1147). Dove Medical Press Ltd.
<https://doi.org/10.2147/IJWH.S462591>

- Durgekar, S. R., Rahman, S. A., Naik, S. R., Kanchan, S. S., & Srinivasan, G. (2024). A Review Paper on Design and Experience of *mobile* Applications. Dalam *EAI Endorsed Transactions on Scalable Information Systems* (Vol. 11, Nomor 3, hlm. 1–6). European Alliance for Innovation.
<https://doi.org/10.4108/eetsis.4959>
- Elhami, A., & Khoshnevisan, B. (2022). Conducting an Interview in Qualitative Research: The Modus Operandi 1. *MEXTESOL Journal*, 46(1), 2022.
<https://doi.org/10.61871/mj.v46n1-3>
- Ermasari, A., & Rudi Winarno. (2024). Optimizing Pelvic Rocking with Gym Ball to Reduce Low Back Pain in Pregnancy. *Jurnal Kesehatan*, 15(3), 387–395. <https://doi.org/10.26630/jk.v15i3.4658>
- Faraswati, R., Studi Pendidikan Profesi Bidan, P., & Hafshawaty Zainul Hasan, U. (2024). PENGURANGAN NYERI PINGGANG IBU HAMIL TRIMESTER III dengan SMILE PRENATAL YOGA. *Jurnal Keperawatan*.
- Faria, G. S., Santos, A. E. A. dos, Costa, D. de M., Carregosa, F. J. S., Carvalho, F. L. O. de, & Rezende, A. A. (2022). Application of the Pilates method and kinesiotherapeutic approach in pregnant women with low back pain: an integrative review. *JOURNAL OF RESEARCH AND KNOWLEDGE SPREADING*, 3(1), e14013. <https://doi.org/10.20952/jrks3114013>
- Gashaw, M., Yitayal, M. M., Zemed, A., Nigatu, S. G., Kasaw, A., Belay, D. G., Aragaw, F. M., Endalew, M., Tsega, N. T., Asratie, M. H., & Janakiraman, B. (2022). Level of activity limitations and predictors in women with pregnancy-related pelvic girdle pain: Prospective cross-sectional study. *Annals of Medicine and Surgery*, 78.
<https://doi.org/10.1016/j.amsu.2022.103754>
- Griffey, J. (2020). *Introduction to Interactive Digital Media: Concept and Practice*.
- Herrera, C. R., Diaz, C. E., Jorge Rodríguez Tobar, Díaz Canepa, C., Saldaña, Á. B., Olivares Péndola, G., Retamal, R. P., Bravo, L. A., & Arévalos Valdivia, M. (2017). *PILOT STUDY: DESCRIPTION OF GLOBAL WORKLOAD, BIOMECHANICAL FACTOR AND PERCEPTION OF MUSCULOSKELETAL DISCOMFORT IN PREGNANT WORKERS*. 19(58). www.cienciaytrabajo.cl
- Hulu, V. T., Rita Evimalinda, Faldin Adrianus Bunga, & Sulastris Saleleubaja. (2024). Membuka Imajinasi: Dampak Interaktivitas Multimedia terhadap Pemikiran Kreatif Belajar Peserta Didik dalam Pembelajaran Pendidikan

Agama Kristen. *Jurnal Ilmiah Multidisiplin*, 1(2), 184–198.
<https://doi.org/10.62282/juilmu.v1i2.184-198>

IDEO.org. (2015). *The Field Guide to Human-Centered Design*.

Ifalahma, D., Yuliana, A., Bakkar, Z. A., Wargani, R. N., & Puspitasari, R. A. (2024). Remodeling Pregnancy Exercises with Pelvic Rocking Exercise as Management of Back Pain in Pregnant Women. *Indonesian Journal of Global Health Research*, 7(1), 107–116.
<https://doi.org/10.37287/ijghr.v7i1.4124>

Interaction Design Foundation. (2020). *The Basics of User Experience Design*.

Ismaningsih, I., Nurmaliza, N., & Muawanah, S. (2024). MANAJEMEN PENDEKATAN FISIOTERAPI DENGAN TERAPI LATIHAN DAN POSTURAL CORRECTION TERHADAP NYERI MUSKULOSKELETAL LOW BACK PAIN SELAMA KEHAMILAN. *JOMIS (Journal of Midwifery Science)*, 8(1), 19–27. <https://doi.org/10.36341/jomis.v8i1.4061>

Javandalasta, P. (2021). *5 Hari Mahir Bikin Film*. Batik Publisher.

Jeane. (2020). *Perancangan web series kata kopi untuk menciptakan Brand engagement (Eksplorasi bentuk video vertikal untuk igtv)*. Universitas Multimedia Nusantara.

K, A., & V, V. (2023). Redefining Maternal Wellness: The Role of Antenatal Exercises in Musculoskeletal Issues Among Primigravida Mothers. *Cureus*.
<https://doi.org/10.7759/cureus.50494>

Karamolahi, P. F., Khalesi, Z. B., & Niknami, M. (2021). *Efficacy of mobile App-Based Training on Health Literacy among Pregnant Women: A Randomized Controlled Trial study*. <https://doi.org/10.21203/rs.3.rs-151311/v1>

Kember, A. J., Anderson, J. L., House, S. C., Reuter, D. G., Goergen, C. J., & Hobson, S. R. (2024). Impact of maternal posture on fetal physiology in human pregnancy: a narrative review. Dalam *Frontiers in Physiology* (Vol. 15). Frontiers Media SA. <https://doi.org/10.3389/fphys.2024.1394707>

Khan, N., Waseem, A., Dastgir, H., Ijaz, S., Khan, S., & Bajwa, A. (2023). Prevalence of Postural Changes During Pregnancy; A Cross-sectional Study. *The Healer Journal of Physiotherapy and Rehabilitation Sciences*, 2(4), 279–286. <https://doi.org/10.55735/hjprs.v2i4.70>

Landa, R. (2019). *Graphic Design Solutions, Sixth Edition*. Cengage.

Langah, G., Pinky, Ali, U. B., Memon, S. A., Mansoor, A., Mansoor, E., & Saba, N. U. (2024). Effectiveness of Antenatal Exercises Program for the Management of Neck and Shoulder Pain. *Journal of Health and*

- Rehabilitation Research*, 4(1), 456–460.
<https://doi.org/10.61919/jhrr.v4i1.416>
- Lestari, I. (2022). Interaktivitas Pembelajaran di Masa Pandemi Covid-19. *Jurnal Kependidikan*, 11(2). <https://jurnaldidaktika.org>
- Li, B., Jin, N., Wang, Y., Hou, X., Meng, J., & Zhang, Y. (2025). Perinatal Women's Perception of Maternal Health Information Quality on Digital Media: Scoping Review. Dalam *Journal of Medical Internet Research* (Vol. 27). JMIR Publications Inc. <https://doi.org/10.2196/67620>
- Li, X., Lu, Z., Cen, X., Zhou, Y., Xuan, R., Sun, D., & Gu, Y. (2023). Effect of pregnancy on female gait characteristics: a pilot study based on portable gait analyzer and induced acceleration analysis. *Frontiers in Physiology*, 14. <https://doi.org/10.3389/fphys.2023.1034132>
- Malewicz, M., & Malewicz, D. (2020). *Designing User Interfaces*. Hype4.
- Mamer, B. (2013). *Film production technique: Creating the accomplished image 6th ed.* (6 ed.).
- Mayasari, R., & Heryana, N. (2023). *Konsep dan Teori Desain User Experience* (N. Heryana, Ed.). PT. Neo Santara Indonesia.
<https://www.researchgate.net/publication/377968095>
- Michnik, R., Zadoń, H., Nowakowska-Lipiec, K., & Forczek-Karkosz, W. (2022). How Does the Lumbopelvic Complex Cope with the Obstetrical Load during Standing? Ergonomic Aspects of Body Posture in Pregnant Women. *Applied Sciences (Switzerland)*, 12(9). <https://doi.org/10.3390/app12094330>
- Moulaei, K., Bahaadinbeigy, K., Ghaffaripour, Z., & Ghaemi, M. M. (2021). The design and evaluation of a *mobile* based application to facilitate self-care for pregnant women with preeclampsia during covid-19 prevalence. *Journal of Biomedical Physics and Engineering*, 11(4), 551–560.
<https://doi.org/10.31661/jbpe.v0i0.2103-1294>
- Mustofa, L. A., Studi, P., Kebidanan, S., Karya, S., & Kediri, H. (2023). Prenatal Gentle Yoga untuk Mengurangi Intensitas Nyeri Punggung pada Ibu Hamil. *Faletehan Health Journal*, 10(3), 245–252. www.journal.lppm-stikesfa.ac.id/ojs/index.php/FHJ
- Nakashima, M., & Mori, Y. (2014). Effect of mechanical unbalance induced by pregnancy on the muscle load of the erector spinae during a sit-to-stand motion. *Journal of Biomechanical Science and Engineering*, 9(3), 1–11.
<https://doi.org/10.1299/jbse.14-00035>
- Pangaribuan, I. K., Lubis, K., Yanti, S., & Sibarani, L. (2023). Pregnancy Exercises on Reducing Lower Back Pain In Pregnant Women Trimester II

- and III. *Journal of Maternal and Child Health Sciences (JMCHS)*, 3(2).
<https://doi.org/10.36086/maternalandchild.v3i2.2041>
- Poole Hospital. (2020). *Therapy Services Patient Information Leaflets*. NHS Foundation Trust.
https://www.uhd.nhs.uk/uploads/about/docs/our_publications/patient_information_leaflets/physiotherapy/Pregnancy_related_pain_and_posture_March_2020.pdf
- Poole, J. L. (1998). Body mechanics during daily tasks to reduce back pain in women who are pregnant. *Work, A Journal of Prevention, Assessment & Rehabilitation*. <https://doi.org/10.3233/WOR-1998-10207>
- Prihayati, Ismarina, & Ikhlasiah, M. (2022). PENGARUH EFEKTIVITAS MASSAGE EFFLEURAGE TERHADAP NYERI PUNGGUNG PADA IBU HAMIL TRIMESTER III DI KLINIK AZ-ZAHRA TANGERANG TAHUN 2022. *INTERNATIONAL JOURNAL OF SOCIAL AND MANAGEMENT STUDIES (IJOSMAS)*, 3 No. 01. <https://www.ijosmas.org>
- Putra, S. W. Y., Dawis, M. A., Novi, Natsir, F., Fitria, Widhiyanti, S. A. A., Hasan, N. F., Somantri, & Maniah. (2023). *Pengantar Aplikasi Mobile*. CV. Haura Utama.
<https://books.Google.co.id/books?id=2tLcEAAAQBAJ&printsec=frontcover&hl=id#v=onepage&q&f=false>
- Rahmawati, N. A., Ma'arij, R., Yulianti, A., Rahim, A. F., & Marufa, S. A. (2021). Prenatal Yoga Efektif Mengurangi Nyeri Punggung Bawah pada Ibu Hamil. *Physiotherapy Health Science*, 3.
<https://doi.org/10.22219/PHYSIOHS.V3I1.17157>
- Randhawa, T. S. (2022). *mobile Applications: Design, Development and Optimization*. Dalam *mobile Applications: Design, Development and Optimization*. Springer International Publishing. <https://doi.org/10.1007/978-3-030-02391-1>
- Rogers, Y., Sharp, H., & Preece, J. (2023). *Interaction Design: Beyond Human-Computer Interaction 6th Edition*.
- Rohmaniya, R., & Mardliyana, N. E. (2023). Sistematis Riview Efektivitas dan Manfaat Prenatal Yoga Terhadap Keluhan Nyeri Punggung pada Ibu Hamil. *Sinar Jurnal Kebidanan*. <https://doi.org/10.30651/sinar.v5i2.20416>
- Rustiningsih, T., Asih, F. R., & Solihin, S. (2022). Prenatal Yoga Menurunkan Keluhan Nyeri Punggung Bawah pada Ibu Hamil. *Jurnal Kebidanan Malakbi*, 3(2), 66. <https://doi.org/10.33490/b.v3i2.676>

- Salazar, Q. N. (2021). Musculoskeletal Changes and Biomechanic Adaptations During the Three Trimesters of Pregnancy: A Sistematic Review. *Revisión Sistemática*, 19. <https://doi.org/10.15517/pensarmov.v19i1.44961>
- Sánchez-Polán, M., Nagpal, T. S., Zhang, D., Silva-Jose, C., Montejo, R., & Barakat, R. (2024). The Influence of Physical Activity during Pregnancy on Maternal Pain and Discomfort: A Meta-Analysis. Dalam *Journal of Personalized Medicine* (Vol. 14, Nomor 1). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/jpm14010044>
- Shafiq, B., Javaid, H., Mehmood, S., Mahmood, A., & Pervez, M. (2022). Effect of Specific Stabilization Exercise Along with Muscle Relaxation Technique to Treat Lumbopelvic Pain During Pregnancy. *Pakistan Journal of Health Sciences*, 29–32. <https://doi.org/10.54393/pjhs.v3i03.78>
- Simanjuntak, H. (2024). LATIHAN BIRTH BALL UNTUK MENGURANGI NYERI PUNGGUNG BAWAH PADA IBU HAMIL TRIMESTER III. *PROFICIO: Jurnal Pengabdian Kepada Masyarakat*, Vol. 5 No. 1.
- Soares, M. S., Rebelo, F., & Ahram, T. Z. (2022). *Handbook of Usability and User Experience: Research and Case Studies*. <https://doi.org/9780429343513>
- Tidwell, J., Brewer, C., & Valencia, A. (2020). *Designing Interfaces Patterns for Effective Interaction Design* (3 ed.).
- Tombers, N., Grob, M., Ollenburg, K., Appicelli, M., & Cabelka, C. A. (2023). Effects of Exercise on Lumbopelvic Pain During Pregnancy: A Systematic Review and Meta-analysis. *Journal of Women's Health Physical Therapy*, 47(1), 36–45. <https://doi.org/10.1097/jwh.0000000000000263>
- Tondreau, B. (2019). *Layout Essentials Revised and Updated: 100 Design Principles for Using Grids*. Rockport Publishers.
- Uno, K., Tsukioka, K., Sakata, H., Inoue-Hirakawa, T., & Matsui, Y. (2024). Evaluating Desk-Assisted Standing Techniques for Simulated Pregnant Conditions: An Experimental Study Using a Maternity-Simulation Jacket. *Healthcare (Switzerland)*, 12(9). <https://doi.org/10.3390/healthcare12090931>
- Veljovic, F., Straus, S., Karabdic, I., & Masic, I. (2019). Spinal column and abdominal muscles loading in pregnant women dependent on working postures. *Acta Informatica Medica*, 27(1), 54–57. <https://doi.org/10.5455/AIM.2019.27.54-57>
- Vicente, N. P. (2020). Interactive Media. Dalam *The SAGE International Encyclopedia of Mass Media and Society*. SAGE Publications, Inc. <https://doi.org/10.4135/9781483375519.n318>

- Wang, Y. (2024). The Role of Interactive Media in Enhancing Audience Engagement in Television Programs. *Artificial Intelligence Technology Research*, 2(3). <https://doi.org/10.18686/aitr.v2i3.4410>
- Waters, T. R., MacDonald, L. A., Hudock, S. D., & Goddard, D. E. (2014). Provisional recommended weight limits for manual lifting during pregnancy. *Human Factors*, 56(1), 203–214. <https://doi.org/10.1177/0018720813502223>
- Weichbroth, P. (2020). Usability of *mobile* applications: A systematic literature study. *IEEE Access*, 8, 55563–55577. <https://doi.org/10.1109/ACCESS.2020.2981892>
- Widyawati, M. N., Astuti, E. H. P., & Kurnianingsih. (2022). Human-In-The-Loop application design for early detection of pregnancy danger signs. *Belitung Nursing Journal*, 8(2), 161–168. <https://doi.org/10.33546/bnj.1984>
- Wolf, M. J. P., & Perron, B. (t.t.). *The Routledge Companion to Video Game Studies; Second Edition*.
- Wulandari, W., & Jamilah, J. (2025). Hubungan Pengetahuan, Sikap, dan Dukungan Pendamping terhadap Lama Persalinan di Puskesmas Kemayoran. *MAHESA : Malahayati Health Student Journal*, 5(2), 766–778. <https://doi.org/10.33024/mahesa.v5i2.16723>
- Yusnan, M. (2025). *Media Pembelajaran Interaktif (Konsep dan Analisis di Sekolah Dasar)* (Kamasiah, Ed.). CV. EUREKA MEDIA AKSARA.
- Zainudin, A. (2021). *TIPOGRAFI* (A. P. Hadi, Ed.; 1 ed.). Yayasan Prima Agus Teknik.
- Żurawski, A. Ł., Ha, S. Y., Świercz, G., Adamczyk Gruszka, O., & Kiebzak, W. P. (2024). Targeted Motor Control Considering Sternal Position Improves Spinal Alignment in Pregnant Women at Risk for Preterm Birth with Low Back Pain. *Journal of Clinical Medicine*, 13(24). <https://doi.org/10.3390/jcm13247661>