

## DAFTAR PUSTAKA

- Adikusuma, W., Chou, W. H., Lin, M. R., Ting, J., Irham, L. M., Perwitasari, D. A., Chang, W. P., & Chang, W. C. (2022). Identification of Druggable Genes for Asthma by Integrated Genomic Network Analysis. *Biomedicines*, 10(1). <https://doi.org/10.3390/biomedicines10010113>
- Adikusuma, W., Irham, L. M., Chou, W. H., Wong, H. S. C., Mugiyanto, E., Ting, J., Perwitasari, D. A., Chang, W. P., & Chang, W. C. (2021). Drug Repurposing for Atopic Dermatitis by Integration of Gene Networking and Genomic Information. *Frontiers in Immunology*, 12(October), 1–9. <https://doi.org/10.3389/fimmu.2021.724277>
- Ashariati, A. (2019). Manajemen Kanker Payudara Komprehensif. *Journal of Chemical Information and Modeling*, 53(9), 1689–1699.
- Azamjah, N., Soltan-Zadeh, Y., & Zayeri, F. (2019). Global trend of breast cancer mortality rate: A 25-year study. *Asian Pacific Journal of Cancer Prevention*, 20(7), 2015–2020. <https://doi.org/10.31557/APJCP.2019.20.7.2015>
- Bakshi, D., Katoch, A., Chakraborty, S., Shah, R., Sharma, B., Bhat, A., Verma, S., Bhat, G. R., Nagpal, A., Vaishnavi, S., Goswami, A., & Kumar, R. (2021). ANKLE1 as New Hotspot Mutation for Breast Cancer in Indian Population and Has a Role in DNA Damage and Repair in Mammalian Cells. *Frontiers in Genetics*, 11(January), 1–9. <https://doi.org/10.3389/fgene.2020.609758>
- Boonen, R. A. C. M., Vreeswijk, M. P. G., & van Attikum, H. (2022). CHEK2 variants: linking functional impact to cancer risk. *Trends in Cancer*, 8(9), 759–770. <https://doi.org/10.1016/j.trecan.2022.04.009>
- Califf, R. M. (2018). Biomarker definitions and their applications. *Experimental Biology and Medicine*, 243(3), 213–221. <https://doi.org/10.1177/1535370217750088>
- Chen, Y., & Ohki, R. (2020). P53-phlda3-akt network: The key regulators of neuroendocrine tumorigenesis. *International Journal of Molecular Sciences*, 21(11), 1–14. <https://doi.org/10.3390/ijms21114098>

- Cunningham, F., Allen, J. E., Allen, J., Alvarez-Jarreta, J., Amode, M. R., Armean, I. M., Austine-Orimoloye, O., Azov, A. G., Barnes, I., Bennett, R., Berry, A., Bhai, J., Bignell, A., Billis, K., Boddu, S., Brooks, L., Charkhchi, M., Cummins, C., Da Rin Fioretto, L., ... Flieck, P. (2022). Ensembl 2022. *Nucleic Acids Research*, 50(D1), D988–D995. <https://doi.org/10.1093/nar/gkab1049>
- Dietze, E. C., Carolina, N., Carolina, N., & Seewaldt, V. L. (2017). Triple-negative breast cancer in African-American women: disparities versus biology. *Nat Rev Cancer*, 15(4), 248–254. <https://doi.org/10.1038/nrc3896>
- DiPiro, C. V., Wells, B. G., DiPiro, J. T., & Schwinghammer, T. L. (2017). Pharmacotherapy Handbook, Tenth Edition. In *McGraw-Hill Companies*.
- Dorling, L., Carvalho, S., Allen, J., González-Neira, A., Luccarini, C., Wahlström, C., Pooley, K. A., Parsons, M. T., Fortuno, C., Wang, Q., Bolla, M. K., Dennis, J., Keeman, R., Alonso, M. R., Álvarez, N., Herraez, B., Fernandez, V., Núñez-Torres, R., Osorio, A., ... Easton, D. F. (2021). Breast Cancer Risk Genes — Association Analysis in More than 113,000 Women. *New England Journal of Medicine*, 384(5), 428–439. <https://doi.org/10.1056/nejmoa1913948>
- Fadi M. Alkabban ; Troy Ferguson. (2022). *Breast Cancer*. raqia University ; Michigan State University. <https://www.ncbi.nlm.nih.gov/books/NBK482286/>
- Feng, Y., Spezia, M., Huang, S., Yuan, C., Zeng, Z., Zhang, L., Ji, X., Liu, W., Huang, B., Luo, W., Liu, B., Lei, Y., Du, S., Vuppalapati, A., Luu, H. H., Haydon, R. C., He, T. C., & Ren, G. (2018). Breast cancer development and progression: Risk factors, cancer stem cells, signaling pathways, genomics, and molecular pathogenesis. *Genes and Diseases*, 5(2), 77–106. <https://doi.org/10.1016/j.gendis.2018.05.001>
- Ferrari, N., Ranftl, R., Chicherova, I., Slaven, N. D., Moeendarbary, E., Farrugia, A. J., Lam, M., Semiannikova, M., Westergaard, M. C. W., Tchou, J., Magnani, L., & Calvo, F. (2019). Dickkopf-3 links HSF1 and YAP/TAZ

- signalling to control aggressive behaviours in cancer-associated fibroblasts. *Nature Communications*, 10(1). <https://doi.org/10.1038/s41467-018-07987-0>
- Fox, S., Speirs, V., & Shaaban, A. M. (2022). Male breast cancer: an update. *Virchows Archiv*, 480(1), 85–93. <https://doi.org/10.1007/s00428-021-03190-7>
- Gamayanti, Tasiana Gamayanti ; Rizkifani, Shoma ; Untari, E. K. (2022). *STUDI PENGETAHUAN DAN SIKAP MAHASISWA KESEHATAN TERHADAP FARMAKOGENOMIK*. 1302(20003).
- Gasco Milena, Shami Shukri, & Crook Tim. (2022). P53 Pathway in Breast Cancer. *Breast Cancer Research*, 4, 70–76.
- Ginsburg, O., Bray, F., Coleman, M. P., Vanderpuye, V., Eniu, A., Kotha, R., Sarker, M., Huong, T. T., Allemani, C., Dvaladze, A., Gralow, J., Yeates, K., Taylor, C., Oomman, N., Krishnan, S., Sullivan, R., Kombe, D., Blas, M., Parham, G., ... Conteh, L. (2017). The global burden of women's cancers: an unmet grand challenge in global health Europe PMC Funders Group. *Lancet*, 389(10071), 847–860. [https://doi.org/10.1016/S0140-6736\(16\)31392-7](https://doi.org/10.1016/S0140-6736(16)31392-7).The
- Goossens, N., Nakagawa, S., Sun, X., & Hoshida, Y. (2015). Cancer biomarker discovery and validation. *Translational Cancer Research*, 4(3), 256–269. <https://doi.org/10.3978/j.issn.2218-676X.2015.06.04>
- Gruet, M., Cotton, D., Coveney, C., Boocock, D. J., Wagner, S., Komorowski, L., Rees, R. C., Pockley, A. G., Garner, A. C., Wallis, J. D., Miles, A. K., & Powe, D. G. (2020).  $\beta$ 2-Adrenergic Signalling Promotes Cell Migration by Upregulating Expression of the Metastasis-Associated Molecule LYPD3. *Biology*, 9(2), 1–25. <https://doi.org/10.3390/biology9020039>
- Guo, X., Lin, W., Bao, J., Cai, Q., Pan, X., Bai, M., Yuan, Y., Shi, J., Sun, Y., Han, M. R., Wang, J., Liu, Q., Wen, W., Li, B., Long, J., Chen, J., & Zheng, W. (2018). A Comprehensive cis-eQTL Analysis Revealed Target Genes in Breast Cancer Susceptibility Loci Identified in Genome-wide Association Studies. *American Journal of Human Genetics*, 102(5), 890–903. <https://doi.org/10.1016/j.ajhg.2018.03.016>
- Hu, D., Li, Z., Zheng, B., Lin, X., Pan, Y., Gong, P., Zhuo, W., Hu, Y., Chen, C.,

- Chen, L., Zhou, J., & Wang, L. (2022). Cancer-associated fibroblasts in breast cancer: Challenges and opportunities. *Cancer Communications*, 42(5), 401–434. <https://doi.org/10.1002/cac2.12291>
- Hung, R. J., Ulrich, C. M., Goode, E. L., Brhane, Y., Muir, K., Chan, A. T., Marchand, L. Le, Schildkraut, J., Witte, J. S., Eeles, R., Boffetta, P., Spitz, M. R., Poirier, J. G., Rider, D. N., Fridley, B. L., Chen, Z., Haiman, C., Schumacher, F., Easton, D. F., ... Henderson, B. (2015). Cross cancer genomic investigation of inflammation pathway for five common cancers: Lung, ovary, prostate, breast, and colorectal cancer. *Journal of the National Cancer Institute*, 107(11), 1–10. <https://doi.org/10.1093/jnci/djv246>
- Idami, Z. (2023). *Genetika* (U. Mayasari (ed.); Edisi Pert). PT Cahaya Rahmat Rahmani. [http://repository.uinsu.ac.id/13374/1/BUKU GENETIKA\\_ZAHRATUL IDAMI.pdf](http://repository.uinsu.ac.id/13374/1/BUKU GENETIKA_ZAHRATUL IDAMI.pdf)
- Irham, Lalu Muhammad ; Dania, Haafizah ; Maliza, Rita ; Faridah, Imaniar anoor ; Perwitasari, D. A. (2022). *Farmakogenetik-Farmakogenomik: Menuju Precision Medicine* (B. ; A. Asyhari (ed.); Cetakan Pe). UAD PRESS.
- Irham, L. M., Adikusuma, W., & Perwitasari, D. A. (2022). Genomic variants-driven drug repurposing for tuberculosis by utilizing the established bioinformatic-based approach. *Biochemistry and Biophysics Reports*, 32(July), 101334. <https://doi.org/10.1016/j.bbrep.2022.101334>
- Irham, L. M., Adikusuma, W., Perwitasari, D. A., Dania, H., Maliza, R., Faridah, I. N., Santri, I. N., Phiri, Y. V. A., & Cheung, R. (2022). The use of genomic variants to drive drug repurposing for chronic hepatitis B. *Biochemistry and Biophysics Reports*, 31(April), 101307. <https://doi.org/10.1016/j.bbrep.2022.101307>
- Jalilvand, M., Oloomi, M., Najafipour, R., Alizadeh, S. A., Saki, N., Rad, F. S., & Shekari, M. (2017). An association study between CHEK2 gene mutations and susceptibility to breast cancer. *Comparative Clinical Pathology*, 26(4), 837–845. <https://doi.org/10.1007/s00580-017-2455-x>
- Jeong, J. H., Yun, J. W., Kim, H. Y., Heo, C. Y., & Lee, S. (2021). Elucidation of

- novel therapeutic targets for breast cancer with ESR1-CCDC170 fusion. *Journal of Clinical Medicine*, 10(4), 1–11. <https://doi.org/10.3390/jcm10040582>
- Jiang, P., Li, Y., Poleshko, A., Medvedeva, V., Baulina, N., Zhang, Y., Zhou, Y., Slater, C. M., Pellegrin, T., Wasserman, J., Lindy, M., Efimov, A., Daly, M., Katz, R. A., & Chen, X. (2017). The Protein Encoded by the CCDC170 Breast Cancer Gene Functions to Organize the Golgi-Microtubule Network. *EBioMedicine*, 22, 28–43. <https://doi.org/10.1016/j.ebiom.2017.06.024>
- Jin, W., Shan, B., Liu, H., Li, W., Zhang, Q., Zhou, S., Hu, D., & Pan, Y. (2020). The correlation between blood lipids and clinicopathological features of breast cancer in young females. *Gland Surgery*, 9(5), 1443–1449. <https://doi.org/10.21037/gs-20-616>
- Karki, R., Pandya, D., Elston, R. C., & Ferlini, C. (2015). Defining “mutation” and “polymorphism” in the era of personal genomics. *BMC Medical Genomics*, 8(1), 1–7. <https://doi.org/10.1186/s12920-015-0115-z>
- Katase, N., Nagano, K., & Fujita, S. (2020). DKK3 expression and function in head and neck squamous cell carcinoma and other cancers. *Journal of Oral Biosciences*, 62(1), 9–15. <https://doi.org/10.1016/j.job.2020.01.008>
- Kemenkes RI. (2018). Hasil Riset Kesehatan Dasar Tahun 2018. *Kementerian Kesehatan RI*, 53(9), 1689–1699.
- Kementerian Kesehatan RI. (2015). *Panduan Nasional Penanganan Kanker Payudara*. <http://kanker.kemkes.go.id/guidelines/PNPKPayudara.pdf>
- Kementerian Kesehatan RI. (2016). Pedoman Teknis Pengendalian Kanker Payudara dan Kanker Leher Rahim. *Igarss*, 1, 1–5. <http://www.p2ptm.kemkes.go.id/dokumen-ptm/pedoman-teknis-pengendalian-kanker-payudara-kanker-leher-rahim>
- Kersey, P. J., Allen, J. E., Christensen, M., Davis, P., Falin, L. J., Grabmueller, C., Hughes, D. S. T., Humphrey, J., Kerhornou, A., Khobova, J., Langridge, N., McDowall, M. D., Maheswari, U., Maslen, G., Nuhn, M., Ong, C. K., Paulini, M., Pedro, H., Toneva, I., ... Staines, D. M. (2014). Ensembl Genomes 2013: Scaling up access to genome-wide data. *Nucleic Acids*

- Research*, 42(D1), 546–552. <https://doi.org/10.1093/nar/gkt979>
- Kjällquist, U., Erlandsson, R., Tobin, N. P., Alkodsi, A., Ullah, I., Stålhammar, G., Karlsson, E., Hatschek, T., Hartman, J., Linnarsson, S., & Bergh, J. (2018). Exome sequencing of primary breast cancers with paired metastatic lesions reveals metastasis-enriched mutations in the A-kinase anchoring protein family (AKAPs). *BMC Cancer*, 18(1), 1–17. <https://doi.org/10.1186/s12885-018-4021-6>
- Kothari, C., Diorio, C., & Durocher, F. (2020). The importance of breast adipose tissue in breast cancer. *International Journal of Molecular Sciences*, 21(16), 1–33. <https://doi.org/10.3390/ijms21165760>
- Leaché, A. D., & Oaks, J. R. (2017). The Utility of Single Nucleotide Polymorphism (SNP) Data in Phylogenetics. *Annual Review of Ecology, Evolution, and Systematics*, 48, 69–84. <https://doi.org/10.1146/annurev-ecolsys-110316-022645>
- Lee, A. T. J., Jones, R. L., & Huang, P. H. (2019). Pazopanib in advanced soft tissue sarcomas. *Signal Transduction and Targeted Therapy*, 4(1), 2129–2140. <https://doi.org/10.1038/s41392-019-0049-6>
- Lee, S. C., Pirikahu, S., Fritschi, L., Boyle, T., Schultz, C., Wylie, E., & Stone, J. (2023). The association between breast arterial calcification and atherosclerotic cardiovascular disease in an Australian population-based breast cancer case-control study. *Radiologia Medica*, 128(4), 426–433. <https://doi.org/10.1007/s11547-023-01611-y>
- Lekos, A., & Glantz, M. J. (2020). Unusual aspects of breast cancer: Case 2. Synchronous bilateral lung and breast cancers. *Journal of Clinical Oncology*, 15(8), 3019–3020. <https://doi.org/10.1200/jco.1997.15.8.3019>
- Leszczynska, K. B., Foskolou, I. P., Abraham, A. G., Anbalagan, S., Tellier, C., Haider, S., Span, P. N., O'Neill, E. E., Buffa, F. M., & Hammond, E. M. (2015). Hypoxia-induced p53 modulates both apoptosis and radiosensitivity via AKT. *Journal of Clinical Investigation*, 125(6), 2385–2398. <https://doi.org/10.1172/JCI80402>
- Liao, X., Chai, X., Shi, X., Chen, L. S., & Liu, J. (2020). The statistical practice of

- the GTEx Project: from single to multiple tissues. *Quantitative Biology*, 1–17. <https://doi.org/10.1007/s40484-020-0210-9>
- Lifia, A., Kartikasari, N., Devi, A., Wibowo, K., & Budiawan, H. (2023). *Identifikasi Variasi Gen dan Ekspresi Gen Yang Berhubungan Dengan Anemia Aplastik Menggunakan Pendekatan Genomik Dan Bioinformatika*. 4(2), 300–306.
- Lin, F. W., Yeh, M. H., Lin, C. L., & Wei, J. C. C. (2022). Association between Breast Cancer and Second Primary Lung Cancer among the Female Population in Taiwan: A Nationwide Population-Based Cohort Study. *Cancers*, 14(12). <https://doi.org/10.3390/cancers14122977>
- Liu, Y., Walavalkar, N. M., Dozmorov, M. G., Rich, S. S., Civelek, M., & Guertin, M. J. (2017). Identification of breast cancer associated variants that modulate transcription factor binding. *PLoS Genetics*, 13(9), 1–21. <https://doi.org/10.1371/journal.pgen.1006761>
- Lonsdale, J., Thomas, J., Salvatore, M., Phillips, R., Lo, E., Shad, S., Hasz, R., Walters, G., Garcia, F., Young, N., Foster, B., Moser, M., Karasik, E., Gillard, B., Ramsey, K., Sullivan, S., Bridge, J., Magazine, H., Syron, J., ... Moore, H. F. (2013). The Genotype-Tissue Expression (GTEx) project. *Nature Genetics*, 45(6), 580–585. <https://doi.org/10.1038/ng.2653>
- Ma, S., Quan, P., Yu, C., Fan, X., Yang, S., Jia, W., Zhang, L., Wang, F., Liu, F., Yang, L., Qin, W., & Yang, X. (2021). PHLDA3 exerts an antitumor function in prostate cancer by down-regulating Wnt/β-catenin pathway via inhibition of Akt. *Biochemical and Biophysical Research Communications*, 571, 66–73. <https://doi.org/10.1016/j.bbrc.2021.07.038>
- MacArthur, J., Bowler, E., Cerezo, M., Gil, L., Hall, P., Hastings, E., Junkins, H., McMahon, A., Milano, A., Morales, J., MayPendlington, Z., Welter, D., Burdett, T., Hindorff, L., Flückeck, P., Cunningham, F., & Parkinson, H. (2017). The new NHGRI-EBI Catalog of published genome-wide association studies (GWAS Catalog). *Nucleic Acids Research*, 45(D1), D896–D901. <https://doi.org/10.1093/nar/gkw1133>
- Mahmoud, A. M. (2018). Cancer testis antigens as immunogenic and oncogenic

- targets in breast cancer. *Immunotherapy*, 10(9), 769–778. <https://doi.org/10.2217/imt-2017-0179>
- Marees, A. T. E. al. (2017). A tutorial on conducting genome-wide association studies Quality control. *WILEY*. <https://doi.org/10.1002/mpr.1608>
- Mavaddat, N., Pharoah, P. D. P., Michailidou, K., Tyrer, J., Brook, M. N., Bolla, M. K., Wang, Q., Dennis, J., Dunning, A. M., Shah, M., Luben, R., Brown, J., Bojesen, S. E., Nordestgaard, B. G., Nielsen, S. F., Flyger, H., Czene, K., Darabi, H., Eriksson, M., ... Garcia-Closas, M. (2015). Prediction of breast cancer risk based on profiling with common genetic variants. *Journal of the National Cancer Institute*, 107(5), 1–15. <https://doi.org/10.1093/jnci/djv036>
- McInnes, G., Yee, S. W., Pershad, Y., & Altman, R. B. (2021). Genomewide Association Studies in Pharmacogenomics. *Clinical Pharmacology and Therapeutics*, 110(3), 637–648. <https://doi.org/10.1002/cpt.2349>
- Melky, B. (2017). *Peran Biomarker Sebagai Material*. November, 0–28. <https://doi.org/10.13140/RG.2.2.29762.89283>
- Mourtada, J. (2024). *Development , Immune Modulation and Cancer*. 3, 1–14.
- Naeimzadeh, Y., Tajbakhsh, A., & Fallahi, J. (2024). Understanding the prion-like behavior of mutant p53 proteins in triple-negative breast cancer pathogenesis: The current therapeutic strategies and future directions. *Heliyon*, 10(4), e26260. <https://doi.org/10.1016/j.heliyon.2024.e26260>
- Natalia, A., Choridah, L., & Utomo, B. P. (2021). KORELASI SARKOPENIA BERDASAR SKELETAL MUSCLE AREA MENGGUNAKAN ABDOMINAL COMPUTED TOMOGRAPHY DENGAN RASIO NEUTROFIL - LIMFOSIT PADA PASIEN KANKER PAYUDARA CORRELATION BETWEEN SARCOOPENIA BASED ON SKELETAL MUSCLE AREA USING ABDOMINAL COMPUTED TOMOGRAPHY WITH. *Radiologi, Staff Departemen Kedokteran, Fakultas Mada, Universitas Gadjah*.
- Panigroro, S., Hernowo, B. S., & Purwanto, H. (2019). Panduan Penatalaksanaan Kanker Payudara (Breast Cancer Treatment Guideline). *Jurnal Kesehatan Masyarakat*, 4(4), 1–50.

- <http://kanker.kemkes.go.id/guidelines/PPKPayudara.pdf>
- Przanowski, P., Przanowska, R. K., & Guertin, M. J. (2023). ANKLE1 cleaves mitochondrial DNA and contributes to cancer risk by promoting apoptosis resistance and metabolic dysregulation. *Communications Biology*, 6(1). <https://doi.org/10.1038/s42003-023-04611-w>
- Pundavela, J., Roselli, S., Faulkner, S., Attia, J., Scott, R. J., Thorne, R. F., Forbes, J. F., Bradshaw, R. A., Walker, M. M., Jobling, P., & Hondermarck, H. (2015). Nerve fibers infiltrate the tumor microenvironment and are associated with nerve growth factor production and lymph node invasion in breast cancer. *Molecular Oncology*, 9(8), 1626–1635. <https://doi.org/10.1016/j.molonc.2015.05.001>
- Puspitaningrum, A. N., Perwitasari, D. A., Adikusuma, W., Djalilah, G. N., Dania, H., Maliza, R., Faridah, I. N., Sarasmita, M. A., Rezadhini, M., Cheung, R., & Irham, L. M. (2022). Integration of genomic databases and bioinformatic approach to identify genomic variants for sjogren's syndrome on multiple continents. *Media Farmasi: Jurnal Ilmu Farmasi*, 19(2), 71. <https://doi.org/10.12928/mf.v19i2.23706>
- Quinodoz, M., Peter, V. G., Cisarova, K., Royer-Bertrand, B., Stenson, P. D., Cooper, D. N., Unger, S., Superti-Furga, A., & Rivolta, C. (2022). Analysis of missense variants in the human genome reveals widespread gene-specific clustering and improves prediction of pathogenicity. *American Journal of Human Genetics*, 109(3), 457–470. <https://doi.org/10.1016/j.ajhg.2022.01.006>
- Radji, M. (2021). Pendekatan Farmakogenomik Dalam Pengembangan Obat Baru. *Pharmaceutical Sciences and Research*, 2(1), 1–11. <https://doi.org/10.7454/psr.v2i1.3379>
- Ramayanam, N. R., Manickam, R., Mahalingam, V. T., Goh, K. W., Ardianto, C., Ganeshan, P., Ming, L. C., & Ganeshan, R. M. (2022). Functional and Structural Impact of Deleterious Missense Single Nucleotide Polymorphisms in the NR3C1, CYP3A5, and TNF- $\alpha$  Genes: An In Silico Analysis. *Biomolecules*, 12(9). <https://doi.org/10.3390/biom12091307>

- Reay, W. R., & Cairns, M. J. (2021). Advancing the use of genome-wide association studies for drug repurposing. *Nature Reviews Genetics*, 22(10), 658–671. <https://doi.org/10.1038/s41576-021-00387-z>
- Reggi, E., & Diviani, D. (2017). The role of A-kinase anchoring proteins in cancer development. *Cellular Signalling*, 40, 143–155. <https://doi.org/10.1016/j.cellsig.2017.09.011>
- Sinn, H. P., & Kreipe, H. (2013). A brief overview of the WHO classification of breast tumors, 4th edition, focusing on issues and updates from the 3rd edition. *Breast Care*, 8(2), 149–154. <https://doi.org/10.1159/000350774>
- Sokolova, A., Johnstone, K. J., McCart Reed, A. E., Simpson, P. T., & Lakhani, S. R. (2023). Hereditary breast cancer: syndromes, tumour pathology and molecular testing. *Histopathology*, 82(1), 70–82. <https://doi.org/10.1111/his.14808>
- Stanfill, A. G., & Cao, X. (2021). Enhancing Research Through the Use of the Genotype-Tissue Expression (GTEx) Database. *Biological Research for Nursing*, 23(3), 533–540. <https://doi.org/10.1177/1099800421994186>
- Stein, J. D., Casey, P. A. N., Mrialiini, T., Lee, P. P., & Hutton, D. W. (2015). 基因的改变NIH Public Access. *Ophthalmology*, 121(4), 936–945. <https://doi.org/10.1038/ng.2563.Large-scale>
- Sung, H., Ferlay, J., Siegel, R. L., Laversanne, M., Soerjomataram, I., Jemal, A., & Bray, F. (2021). Global Cancer Statistics 2020: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. *CA: A Cancer Journal for Clinicians*, 71(3), 209–249. <https://doi.org/10.3322/caac.21660>
- Suryani, Y. (2020). *Kanker Payudara* (Pertama). PT. Freeline Cipta Granesia.
- Syukriani, Y. (2019). *Polimorfisme Genetik*.
- Uffelmann, E., Huang, Q. Q., Munung, N. S., de Vries, J., Okada, Y., Martin, A. R., Martin, H. C., Lappalainen, T., & Posthuma, D. (2021). Genome-wide association studies. *Nature Reviews Methods Primers*, 1(1). <https://doi.org/10.1038/s43586-021-00056-9>

- Vidya Sagar Dusi et al. (2023). Correlation of breast arterial calcification with overall survival in patients with breast cancer. *Journal of Clinical Oncology*, 41, 12501. <https://doi.org/10.1200/JCO.2023.41.16>
- Wang, Q., Zhao, Y., Zheng, H., Wang, Q., Wang, W., Liu, B., Han, H., Zhang, L., & Chen, K. (2021). CCDC170 affects breast cancer apoptosis through IRE1 pathway. *Aging*, 13(1), 1332–1356. <https://doi.org/10.18632/aging.202315>
- Wang, Y., Liu, F., Sun, L., Jia, Y., Yang, P., Guo, D., Shi, M., Wang, A., Chen, G. C., Zhang, Y., & Zhu, Z. (2023). Association between human blood metabolome and the risk of breast cancer. *Breast Cancer Research*, 25(1), 1–11. <https://doi.org/10.1186/s13058-023-01609-4>
- Ward, L. D., & Kellis, M. (2016). HaploReg v4: Systematic mining of putative causal variants, cell types, regulators and target genes for human complex traits and disease. *Nucleic Acids Research*, 44(D1), D877–D881. <https://doi.org/10.1093/nar/gkv1340>
- Warmadewi, D. A. (2017). Buku Ajar Mutasi Genetik. *Mutasi Genetik*, 15–16(Mutasi), 1–53.
- World Health Organization. (2023). *Breast Cancer*. <https://www.who.int/news-room/fact-sheets/detail/breast-cancer>
- Wu, D., Thompson, L. U., & Comelli, E. M. (2022). MicroRNAs: A Link between Mammary Gland Development and Breast Cancer. *International Journal of Molecular Sciences*, 23(24). <https://doi.org/10.3390/ijms232415978>
- Zirpoli, G. R., Pfeiffer, R. M., Bertrand, K. A., Huo, D., Lunetta, K. L., & Palmer, J. R. (2024). Addition of polygenic risk score to a risk calculator for prediction of breast cancer in US Black women. *Breast Cancer Research*, 26(1), 1–10. <https://doi.org/10.1186/s13058-023-01748-8>