DAFTAR PUSTAKA

A. Rice, M. *et* Stoyanova, T. 2019. Biomarkers for Diagnosis and Prognosis of Prostate Cancer. *Prostatectomy*.

Afdal. Darwin, E., Yanwirasti., Hamid, R. 2019. The Expression of Transforming Growth Factor Beta-1 and Interleukin-6 on Human Prostate: Prostate Hyperplasia and Prostate Cancer. *Macedonian Journal of Medical Sciences*. 7(12): 1905–1910.

Aitekenov, S., Gaipov, A. *et* Bukasov, R. 2021. Review: Detection and Quantification of Proteins in Human Urine. *Talanta.* 223: 121.

Akinleye, A., Avvaru, P., Furqan, M., Song, Y., *et* Liu, D. Phosphatidylinositol 3-Kinase Inhibitors as Cancer Therapeutics. *Journal of Hematology and Oncology*. 6(1): 88.

Allot, E.H., Masko, E.M., *et* Freedland S.J. 2013. Obesity and Prostate Cancer: Weighing the Evidence. *European Urology.* 63: 800-809.

Amal, H.A., Aiyafei, S., et Faraj, M. 2022. *Urine Collection Manual 2022-2024.* Qatar: Department of Laboratory Medicine and Pathology Hamad Medical Corporation.

Aydin, S. 2015. A Short History, Principles, and Types of ELISA, and Our Laboratory Experience with Peptide/Protein Analyses Using ELISA. *Peptides*. 72: 4–15.

Bandini, M., Gandaglia, G. *et* Briganti, A. 2017. Obesity and prostate cancer. *Current Opinion in Urology*. 27(5): 415–421.

Benson, D. A., Clark, K., Karsch-Mizrachi, I., Lipman, D.J., Ostell, J., *et* Sayers, E.W. 2015. GenBank. *Nucleic Acids Research*. 43(Database issue): 30-35.

Boc, A., Diallo, A. B. *et* Makarenkov, V. 2012. T-REX: A Web Server for Inferring, Validating and Visualizing Phylogenetic Trees and Networks. *Nucleic Acids Research*, 40(Web Server issue): 573-579.

Chen, N. *et* Zhou, Q. 2016. The Evolving Gleason Grading System. *Chinese Journal of Cancer Research.* 28(1): 58-64.

Clary, C., Sandhika, W., *et* Arwati, H. 2019. Hubungan antara Kadar Prostate Specific Antigen Serum dan Skor Gleason pada Adenokarsinoma Prostat. *Jurnal Kedokteran Brawijaya.* 30(3): 181-184.

Dinasarapu, A. R. Saunders, B., Ozerlat, I., Azam, K., *et* Subramaniam, S. 2011. Signaling gateway molecule pages--a data model perspective. *Bioinformatics*

(Oxford, England). 27(12): 1736–1738.

Drachenberg, D. E., Elgamal, A.A., Rowbotham, R., Peterson, M., *et* Murphy, G.P. 1999. Circulating levels of interleukin-6 in patients with hormone refractory prostate cancer. *Prostate*. 41(2): 127–133.

Epstein, J. I., Egevad, L., Amin, M.B., Delahunt, B., Srigley, J.R., Humphrey, P.A., *et al.* 2016. The 2014 International Society of Urological Pathology (ISUP) Consensus Conference on Gleason Grading of Prostatic Carcinoma Definition of Grading Patterns and Proposal for a New Grading System. 40(2): 244–252.

Epstein, J.I., Zelefsky, M.J., Sjoberg, D.D., Nelson, J.B., Egevad, L., Magi-Galluzi, C., et al. 2016. A Contemporary Prostate Cancer Grading System: A Validated Alternative to the Gleason Score. *European Urology Journal.* 69(3): 428-435.

Eroschenko, V.P. 2013. *Atlas Histologi Difiore dengan Korelasi Fungsional Edisi 12.* Jakarta: EGC.

Finn, R. D., Clements, J. *et* Eddy, S. R. 2011. HMMER web server: interactive sequence similarity searching. *Nucleic acids research*. 39(Web Server issue): 29-37.

Franceschini, A., Szklarczyk, D., Frankild, S., Kuhn, M., Simonovic, M., Roth, A., *et al.* 2013. STRING v9.1: protein-protein interaction networks, with increased coverage and integration. *Nucleic acids research*. 41(Database issue): 808-815.

Freedland, S.J., Wen, J., Wuerstle, M., Shah, A., Lai, D., Moalej, B., *et al.* 2012. Obesity is a Significant Risk Factor for Prostate Cancer at the Time of Biopsy. *European Urology.* 72: 1102-1105.

Gelinas, A.D., Davies, D.R., Edwards, T.E., Rohloff, J.C., Carter, J.D., Zhang, C., *et al.* 2014. Crystal Structure of Interleukin-6 in Complex with a Modified Nucleic Acid Ligand. *Journal of Biological Chemistry.* 289(12): 8720-8734.

Giri, V. N. *et al.* 2020. HHS Public Access. 43(5): 560–565.

Guyton, A.C. et Hall, J.E. 2006. *Textbook of Medical Physiology 11th Edition.* Amsterdam: Elsevier Saunders.

Hardini, N. *et* Citrawati, M. 2021. Korelasi Skor Gleason dengan Kadar Prostat Spsifik Antigen (PSA) pada Pasien Karsinoma Prostat. *Majalah Kedokteran Andalas.* 44(2): 71-79.

Heinrich, P.C., Behrmann, I., Haan, S., Hermanns, H.M., Muller-Newen, G., *et* Schaper, F. 2003. Principles of Interleukin (IL)-6-Type Cytokine Signalling and Its Regulation. *Biochem. Journal.* 374: 1-20.

Ikbal, M., Mahrani, I., Lubis, I.A., *et* Astria, A. 2023. Profil Penderita Karsinoma Prostat di RSUD Dr. Pirngadi Medan Tahun 2018-2020. *Ibnu Sina: Jurnal Kedokteran dan Kesehatan Fakultas Kedokteran Universitas Islam Sumatera Utara*. 22(2): 140-148.

Irekpita, E., Achor, G. O. et Alili, U. 2020. Assessment of the value of the different variants of abnormal digital rectal examination finding in predicting carcinoma of the prostate: a preliminary report of a two-center study. *African Journal of Urology*. 26(1).

Iwata, T., Sedukhina, A.S., Kubota, M., Oonuma, S., Maeda, I., Yoshiike, M., *et al.* A New Bioinformatics Approach Identifes Overexpression of GRB2 as a Poor Prognostic Biomarker for Prostate Cancer. *Scientific Report.* 5696(11): 1-8.

Jochems, S. H. J., Fritz, J., Haggstrom, C., Jarvholm, B., Stattin, P., *et* Stock, T. 2022. Smoking and Risk of Prostate Cancer and Prostate Cancer Death : A Pooled Study. *European Urology Journal.* 83(5): 422-431.

Justiz Vaillant, A. A. *et* Qurie, A. 2023. *Interleukin.* in. Treasure Island (FL).

Källberg, M., Wang, H., Wang, S., Peng, J., Wang, Z., Lu, H., *et al.* 2012. Template-Based Protein Structure Modeling Using the RaptorX Web Server. *Nature Protocols*. 7(8): 1511–1522.

Kaur, S., bansal, Y., Kumar, R., *et* Bansal, G. 2020. A Panoramic Review of IL-6: Structure, Pathophysiological Roles and Inhibitors. *Bioorganic & Medicinal Chemistry*. 28(5): 115-327.

Kohl, T. O. *et* Ascoli, C. A. 2017. Immunometric Double-Antibody Sandwich Enzyme-Linked Immunosorbent Assay. *Cold Spring Harbor protocols*. (6): 93-724.

Kumari, N., Dwarakanath, B.S., Das, A., *et* Bhatt, A.N. 2016. Role of Interleukin-6 in Cancer Progression and Therapeutic Resistance. *Tumor Biology*. 37 (9): 11553-11572.

Larissa, U., Hanriko, R., *et* Perdani, R.R. 2019. Hubungan Usia dan Indeks Massa Tubuh terhadap Derajat Histopatologi Kanker Prostat di RSUD Dr. H. Abdul Moeloek Bandar Lampung Periode 2017. *Medula.* 9(1): 15-19.

Leslie, S. W., Soon-Sutton, T.L., Anu, R.I., Sajjad, H., *et* Siref, L.E. 2023. *Prostate Cancer.* Treasure Island: StatPearl Publishing.

Liu, X., Wang, J., Wang, H., Yin, G., Liu, Y., Lei, X., *et* Xiang, M. 2015. REG3A Accelerates Pancreatic Cancer Cell Growth Under IL-6-Associated Inflammatory Condition: Involvement of a REG3A-JAK2/STAT3 Positive Feedback Loop. *Cancer Lett.* 362(1): 45-60.

Martin, N. E., Mucci, L.A., Loda, M., *et* Depinho, R.A. 2011. Prognostic Determinants in Prostate Cancer. *Cancer Journal*. 17(6): 429–437.

Mochtar, C. A., Atmoko, W., Umbas, R., *et* Hamid, A.R. 2018. Prostate Cancer Detection Rate in Indonesian Men. *Asian Journal of Surgery*. 41(2): 163–169.

Munjal, A. *et* Leslie, S. W. 2023. *Gleason Score.* in. Treasure Island (FL).

Neupane, S., Nevalainen, J., Raitanen, J., Talala, K., Kujala, P., Taari, K., *et al.* 2021. Prognostic Index for Predicting Prostate Cancer Survival in a Randomized Screening Trial: Development and Validation. *Cancers*. 13(3): 435.

Nguyen, D. P., Li, J. *et* Tewari, A. K. 2014. Inflammation and Prostate Cancer: The Role of Interleukin 6 (IL-6). *BJU International*. 113(6): 986–992.

Okpua, N. C., Okekpa, S.I., *et* Emeh, A.N. 2021. Clinical Diagnosis of Prostate Cancer Using Digital Rectal Examination and Prostate-Specific Antigen Tests: A Systematic Review and Meta-Analysis of Sensitivity and Specificity. *African Journal of Urology*. 27(1): 1-9.

Pace, G., Massimo, C.D., Amicis, D.D., Vicentini, C., *et* Ciancarelli, M.G. 2011. Inflammation and Endothelial Activation in Benign Prostatic Hyperplasia and Prostate Cancer. *International Braz J Urol*. 37(5): 617–622.

Perdana, N. R., Mochtar, C.A., Umbas, R., *et* Hamid, A.R. 2016. The Risk Factors of Prostate Cancer and Its Prevention : A Literature Review. *Acta Medica Indonesiana.* 48(3): 228–238.

Pratiwi, N.E., Riastiti, Y., Irawiraman, H., *et* Danial. 2023. Hubungan Usia dan Kadar Prostate Specific Antigen (PSA) dengan Derajat Histopatologi Adenokarsinoma Prostat di RSUD Abdoel Wahab Sjahranie Samarinda. *Jurnal Kesehatan Andalas.* 12(2): 64-69.

Rawla, P. 2019. Epidemiology of Prostate Cancer. *World Journal of Oncology.* 10(2): 63-89.

Rebbeck, T. R. 2018. Prostate Cancer Disparities by Race and Ethnicity: From Nucleotide to Neighborhood. *Cold Spring Harbor Perspectives in Medicine*. 8(9): 1–15.

Sastroasmoro, S. 2018. *Dasar-dasar Metodologi Penelitian Klinis*. Jakarta: Segung Seto.

Scheller, J., Grotzinger, J., *et* Rose-John, S. 2006. Updating IL-6 Classic- and Trans-Signalling. *Signal Transduct.* 6: 240-259.

Schmidt-Arras, D. *et* Rose-John, S. 2021. Endosomes as Signaling Platforms for IL-6 Family Cytokine Receptors. *Frontiers in Cell and Development Biology.* 9: 688-314.

Schunke, M. Schulte, E. *et* Schumacher, U. 2013. *Atlas Anatomi Manusia Prometheus: Anatomi Umum dan Sistem Gerak.* Jakarta: EGC

Sekhoacha, M., Riet, K., Motloung, P., Gumenku, L., Adegoke, A., *et* Mashele, S. 2022. Prostate Cancer Review: Genetics, Diagnosis, Treatment Options, and Alternative Approaches. *Molecules.* 27(17): 1–33.

Setia, M. S. 2016. Methodology Series Module 3: Cross-Sectional Studies. *Indian journal of dermatology*. 61(3): 261–264.

Shah, K. *et* Maghsoudlou, P. 2016. Enzyme-Linked Immunosorbent Assay (ELISA): The Basics. *British Journal of Hospital Medicine*. 77(7): 98-101.

Sheokand, S. *et* Singh, S. 2019. Bioinformatics: Concepts and Applications. *Advances in Horticultural Crop Management and Value Addition.* 1(12):127–136.

Sherwood, L. 2011. *Fundamentals of Human Physiology.* Singapore: Cengage Learning Publisher.

Sievers, F., Wilm, A., Dineen, D., Gibson, T.J., Karplus, K., Li, W., *et al.* 2011. Fast, Scalable Generation of High-Quality Protein Multiple Sequence Alignments Using Clustal Omega. *Molecular Systems Biology*. 7: 539.

Sigrist, C. J., de Castro, E., Cerutti, L., Cuche, B.A., Hulo, N., Bridge, A., *et al.* 2013. New and Continuing Developments at PROSITE. *Nucleic Acids Research.* 41(1): 344–347.

Sillitoe, I., Lewis, T.E., Cuff, A., Das, S., Ashford, P., Dawson, N.L., *et al.* 2015. CATH: Comprehensive Structural and Functional Annotations for Genome Sequences. *Nucleic acids research*. 43(1): 376-381.

Singh, O. *et* Bolla, S. R. 2023. *Anatomy, Abdomen and Pelvis, Prostate.* Treasure Island (FL): StatPearl Publishing.

Somers, W., Stahl, M., *et* Seehra, J.S. 1997. Å Crystal Structure of Interleukin 6: Implications for a Novel Mode of Receptor Dimerization and Signaling. *The EMBO Journal.* 16(5): 989-997.

Sung, H., Ferlay, J., Siegel, R.L., Laversanne, M., Soerjomataram, I., Jemal, A., *et al.* 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.

Taherdoost, H. 2018. Sampling Methods in Research Methodology; How to Choose a Sampling Technique for Research. *SSRN Electronic Journal*. 5(2): 18-27.

Tanagho, E.A. et McAninch, J.W. 2008. *Smith's General Urology 17th Edition.* San Francisco: McGraw-Hill Medical.

Tawara, K., Oxford, J.T., *et* Jorcyk, C.L. 2011. Clinical Significance of Interleukin (IL)-6 in Cancer Metastasis to Bone: Potential of Anti-IL-6 Therapies. *Cancer Management and Research.* 3(1): 177-189.

Thapar, P. 2018. *Bioinformatics: Tools and Applications.* New York: Springer New York.

Tortora, G.J. *et* Derrickson, B.H. 2018. *Principles of Anatomy and Physiology.* New Jersey: John Wiley & Sons Publisher.

Uciechowski, P. *et* Dempke, W. C. M. 2020. Interleukin-6: A Masterplayer in the Cytokine Network. *Oncology (Switzerland)*. 98(3): 131–137.

Ulfaningtyas, K., Norahmawati, E., Anita, K.W., Al Rasyid, H., et Budaya, T.N. 2021. Hubungan Ekspresi Estrogen Receptor dengan Skor Gleason, Derajat Diferensiasi, dan Prognostic Grade Group pada Adenokarsinoma Prostat. Majalah Kesehatan Brawijaya. 8(4): 206-215.

Umbas, R., Safriadi, F., Mochtar, C.A., Djatisoesanto, W., *et* Hamid, A.R. 2015. Urologic Cancer in Indonesia. *Japanese Journal of Clinical Oncology*. 45(8): 708–712.

Villers, A. *et* Grosclaude, P. 2008. Épidémiologie du Cancer de la Prostate. Article de Revue. *Medecine Nucleaire*. 32(1): 2–4.

Wang, Y., Shen, Y., Wang, S., Shen, Q., *et* Zhou, X. 2018. The Role of STAT3 in Leading the Crosstalk between Human Cancers and the Immune System. *Cancer Lett.* 415: 117-128.

Waterhouse, A. M., Procter, J.B., Martin, D.M., Clamp, M., *et* Barton, G.J. 2009. Jalview Version 2--A Multiple Sequence Alignment Editor and Analysis Workbench. *Bioinformatics (Oxford, England)*. 25(9): 1189–1191.

Wulansari, N.S. *et* Marindawati, M. 2020. Profil Prostate Specific Antigen (PSA) pada Penyakit Prostat di Rumah Sakit Umum Daerah Cengkareng Jakarta Barat. *Muhammadiyah Journal of Geriatric.* 1(1): 18-22.

Zelic, R., Giunchi, F., Fridfeldt, F., Fridfeldt, J., Carlsson, J., Davidsson, S., Lianas, L., *et al.* 2022. Prognostic Utility of the Gleason Grading System Revisions and Histopathological Factors Beyond Gleason Grade. *Clinical Epidemiology.* 14: 59-70.

Zhang, X., Lu, H., Hong, W., Liu, L., Wang, S., Zhou, M. *et al.* 2018. Tyrphostin B42 Attenuates Trichostatin A-Mediated Resistance in Pancreatic Cancer Cells by Antagonizing IL-6/JAK/STAT3 Signalling. *Oncology Reports.* 39(4): 1892-1900.