DAFTAR PUSTAKA

1. Bray F, Laversanne M, Sung H, Ferlay J, Siegel RL, Soerjomataram I, dkk. Global Cancer Statistics 2022: GLOBOCAN Estimates of Incidence and Mortality Worldwide for 36 Cancers in 185 Countries. CA Cancer J Clin. 2024;74(3):229–63.
2. World Health Organization. The Top 10 Causes of Death [Internet]. WHO. 2024 [diakses pada 25 November 2024]. Laman: https://www.who.int/news-room/fact-sheets/detail/the-top-10-causes-of-death.
3. Badan Kebijakan Pembangunan Kesehatan. Survei Kesehatan Indonesia (SKI) 2023 dalam Angka. Jakarta: Kemenkes RI; 2023.
4. Ferlay J, Ervik M, Lam F, Laversanne M, Colombet M, Mery L, dkk. Global Cancer Observatory: Cancer Today. France: International Agency for Research on Cancer; 2024.
5. Workman ML, Winkelman C. Genetic Influences in Common Respiratory Disorders. Crit Care Nurs Clin North Am. 2008;20(2):171–89.
6. Alao JP. The Regulation of Cyclin D1 Degradation: Roles in Cancer Development and the Potential for Therapeutic Invention. Mol Cancer. 2007;6(24):1–6.
7. Hanahan D. Hallmarks of Cancer: New Dimensions. Cancer Discov. 2022;12(1):31–46.
8. Chen S, Li L. Degradation Strategy of Cyclin D1 in Cancer Cells and the Potential Clinical Application. Front Oncol. 2022;12:1–10.
9. Gautschi O, Ratschiller D, Gugger M, Betticher DC, Heighway J. Cyclin D1 in Non-Small Cell Lung Cancer: A Key Driver of Malignant Transformation. Lung Cancer. 2007;55(1):1–14.
10. NIH. Non-Small Cell Lung Cancer Treatment (PDQ®)–Health Professional Version [Internet]. National Cancer Institute. 2024 [diakses pada 30 November 2024]. Laman: https://www.cancer.gov/types/lung/hp/non-small-cell-lung-treatment-pdq#_514.
11. Kemenkes RI. Pedoman Nasional Pelayanan Kedokteran Tata Laksana Kanker Paru. Jakarta: Kemenkes RI; 2023.
12. Lee PJ, Mallik R. Cardiovascular Effects of Radiation Therapy: Practical Approach to Radiation Therapy-Induced Heart Disease. Cardiol Rev. 2005;13(2):80–6.

13. Cherif H, Bacha S, Habibech S. Chemotherapy Toxicity in Advanced Non-Small Cell Lung Cancer and Its Impact on Survival. European Respiratory Journal. 2016;48(60).

14. Horibe S, Matsuda A, Tanahashi T, Inoue J, Kawauchi S, Mizuno S, dkk. Cisplatin Resistance in Human Lung Cancer Cells is Linked with Dysregulation of Cell Cycle Associated Proteins. Life Sci. Maret 2015;124:31–40.

15. Oguri T, Ozasa H, Uemura T, Bessho Y, Miyazaki M, Maeno K, dkk. MRP7/ABCC10 Expression is A Predictive Biomarker for the Resistance to Paclitaxel in Non-Small Cell Lung Cancer. Mol Cancer Ther. 2008;7(5):1150–5.

16. Bessho Y, Oguri T, Ozasa H, Uemura T, Sakamoto H, Miyazaki M, dkk. ABCC10/MRP7 is Associated with Vinorelbine Resistance in Non-Small Cell Lung Cancer. Oncol Rep. 2009;21(1):263–8.

17. Yang S, Yu KH, Palmer N, Fox K, Kou SC, Kohane IS. Autoimmune Effects of Lung Cancer Immunotherapy Revealed by Data-Driven Analysis on a Nationwide Cohort. Clin Pharmacol Ther. 2020;107(2):388–96.

18. Darwati, Bahti HH, Supriyatna, Dachriyanus. Kowanin, Suatu Santon dari Kulit Batang Garcinia cowa Roxb. Jurnal Natur Indonesia. 2009;11(2):109–14.

19. Paudel HR, Thapa R, Poudel P. Garcinia cowa Roxb. ex Choisy. Dalam: Belwal T, Bhatt I, Devkota H, editor. Himalayan Fruits and Berries: Bioactive Compounds, Uses and Nutraceutical Potential. Elsevier; 2022. hlm. 197–203.

20. Panthong K, Hutadilok-Towatana N, Panthong A. Cowaxanthone F, a New Tetraoxygenated Xanthone, and Other Anti-Inflammatory and Antioxidant Compounds from Garcinia cowa. Can J Chem. 2009;87(11):1636–40.

21. Mahabusarakam W, Chairerk P, Taylor WC. Xanthones from Garcinia cowa Roxb. Latex. Phytochemistry. Mei 2005;66(10):1148–53.

22. Ritthiwigrom T, Laphookhieo S, Pyne SG. Chemical Constituents and Biological Activities of Garcinia cowa Roxb. Maejo International Journal of Science and Technology. 2013;7(2):212–31.

23. Hefni D, Dachriyanus, Wahyuni FS, Yerizel E, Arisanty D, Yusra LN. Cowanin, a Cytotoxic Xanthone from Asam Kandis (Garcinia cowa, Roxb.) Reduced Cell Migration and Induced Cell Cycle Arrest on T47D Human Cancer Cell. Int J Adv Sci Eng Inf Technol. 2020;10(5):2164–9.

24. Wahyuni FS, Shaari K, Stanslas J, Lajis NH, Hamidi D. Cytotoxic Properties and Complete Nuclear Magnetic Resonance Assignment of Isolated

Xanthones From the Root of Garcinia cowa Roxb. Pharmacogn Mag. 2016;12(45):S52–6.

25. Hefni D, Dachriyanus, Nahda AM, Wahyuni FS. Effect of Cowanin on Cyclin D1 Expression in MCF-7/HER2 Breast Cancer Cells. International Journal of Applied Pharmaceutics. 2024;16(1):149–51.

26. Mahmood T, Yang PC. Western Blot: Technique, Theory, and Trouble Shooting. N Am J Med Sci. 2012;4(9):429–34.

27. Merza J, Aumond MC, Rondeau D, Dumontet V, Le Ray AM, Séraphin D, dkk. Prenylated Xanthones and Tocotrienols from Garcinia virgata. Phytochemistry. 2004;65:2915–20.

28. Wahyuni FS, Suhatri N, Susanti M, Hefni D, Dachriyanus. Potensi Sitotoksik Senyawa Santon dari Tumbuhan Garcinia cowa Roxb terhadap Sel Kanker Payudara T47D. Padang: Andalas University Press; 2020.

29. POWO. Garcinia cowa Roxb ex Choisy [Internet]. Royal Botanic Garden. 2024 [diakses pada 1 Oktober 2024]. Laman: https://powo.science.kew.org/taxon/urn:lsid:ipni.org:names:427902-1.

30. Wanna C, Boonman N, Phakpaknam S. Antioxidant and Antidiabetic Properties of Garcinia cowa Roxb. Extracts from Leaves, Fruit Rind, and Stem Bark in Different Solvents. Plant Science Today. 2023;10(3):430–8.

31. Devi HL, Das B, Angami T, Kandpal BK. Garcinia cowa Roxb. ex Choisy (Clusiaceae). Dalam: Ajit Arun, Pooja Bohra, editor. Perennial Underutilized Horticultural Species of India. Delhi: Jaya Publishing House; 2021.

32. Lim TK. Garcinia cowa. Edible Medicinal And Non-Medicinal Plants. 2012;2:29–34.

33. Sri Wahyuni F, Shaari K, Stanslas J, Hj Lajis N. Cytotoxic xanthones from the stem bark of Garcinia cowa Roxb. 2015;7(1):227–36.

34. Nguyen AK, Dinh HT, Pham LQ, Tran TT. Tetraoxygenated Xanthones from the Latex of Garcinia cowa Growing in Vietnam. Vietnam J Sci Technol. Oktober 2018;56(5):560–6.

35. NCBI. Pubchem Compound Summary for CID 11754819, Cowanin [Internet]. National Center for Biotechnology Information. 2024. [diakses pada 3 November 2024]. Laman: https://pubchem.ncbi.nlm.nih.gov/compound/Cowanin.

36. Chowchaikong Bsc N, Nilwarangoon Phd S, Tanjapatkul Phd N, Laphookhieo Phd S, Watanapokasin R. Apoptosis Induction in Breast Cancer Cells by Cowanin. J Med Assoc Thai. 2017;100:7–12.

37. Agustin T. Potensi Metabolit Aktif dalam Sayuran Cruciferous untuk Menghambat Pertumbuhan Sel Kanker. Jurnal Penelitian Perawat Profesional. 2020;2(4):459–72.

38. Cooper GM. Sel: Pendekatan Molekuler. 2 ed. Sunderland: Sinauer Associates; 2000.

39. Hanahan D, Weinberg RA. Hallmarks of Cancer: The Next Generation. Cell. 2011;144(5):646–74.

40. Kontomanolis EN, Koutras A, Syllaios A, Schizas D, Mastoraki A, Garmpis N, dkk. Role of Oncogenes and Tumor-suppressor Genes in Carcinogenesis: A review. Anticancer Research. 2020;40:6009-6015.

41. Rahmawati S. Peran Onkogen dan Tumor Suppressor Gene pada Karsinogenesis. JK Unila. 2021;5(1):61–8.

42. Wang LH, Wu CF, Rajasekaran N, Shin YK. Loss of Tumor Suppressor Gene Function in Human Cancer: An Overview. Cellular Physiology and Biochemistry. 2019;51(6):2647–93.

43. Koya AI, Ibrahim SA. Carcinogenesis. Treasure Island: StatPearls Publishing; 2024.

44. Baba AI, Catoi C. Comparative Oncology. Bucharest: The Publishing House of The Romanian Academy; 2007.

45. Adam VR, Hecht KA. Lung Cancer. Dalam: DiPiro JT, Yee GC, Posey LM, Haines ST, Nolin TD, Ellingrod VL, editor. Pharmacotheraphy A Pathophysiologic Approach. 11th Edition. USA: McGraw Hill; 2020. hlm. 6480–1.

46. Kodaz CE. Lung Cancer Risk Factors - A Review Article. Eurasian Journal of Medical Advances. 2022;2(4):159–62.

47. Schabath MB, Cote ML. Cancer Progress and Priorities: Lung Cancer. Cancer Epidemiology Biomarkers and Prevention. 2019;28(10):1563–79.

48. Agonsanou H, Figueiredo R, Bergeron M. Risk Factors for the Development of Lung Cancer Around the World: a Review. Explor Med. 2023;4(6):1168–88.

49. De Groot PM, Wu CC, Carter BW, Munden RF. The Epidemiology of Lung Cancer. Transl Lung Cancer Res. 2018;7(3):220–33.

50. Malhotra J, Malvezzi M, Negri E, La Vecchia C, Boffetta P. Risk Factors for Lung Cancer Worldwide. European Respiratory Journal. September 2016;48(3):889–902.

51. Siddiq, Vaqar S, Siddiqui AH. Lung Cancer [Internet]. Treasure Island: StatPearls Publishing; 2023. Tersedia pada: https://www.ncbi.nlm.nih.gov/books/NBK482357/

52. Zappa C, Mousa SA. Non Small Cell Lung Cancer: Current Treatment and Future Advances. Transl Lung Cancer Res. 2016;5(3):288–300.

53. Basumalik N, Agarwal M. Small Cell Lung Cancer. Treasure Island: StatPearls Publishing; 2023.

54. Almaki SG. The Pathophysiology of the Cell Cycle in Cancer and Treatment Strategies Using Various Cell Cycle Checkpoint Inhibitor. Pathol Res Pract. 2023;251.

55. Wang Z. Regulation of Cell Cycle Progression by Growth Factor-Induced Cell Signaling. Cells. 2021;10(12).

56. Ferry I, Kuzan-Fischer CM, Ernoult E, Rutka JT. Targeting Cell Cycle Proteins in Brain Cancer. Dalam: Handbook of Brain Tumor Chemotherapy, Molecular Therapeutics, and Immunotherapy: Second Edition. Elsevier Inc.; 2018. hlm. 271–90.

57. Rehman I, Gulani A, Farooq M, Simpson B. Genetika, Mitosis. Treasure Island: StatPearls Publishing; 2024 [Internet]. Tersedia pada: https://www.ncbi.nlm.nih.gov/books/NBK482449/

58. Figel S, Robert A, Fenstermarker. Cell Cycle Regulation. Dalam: Newton HB, editor. Handbookof BrainTumor Chemotheraphy, Molecular Therapeutic and Immunotheraphy. Elsevier; 2018.

59. Hidayat R, Hayati L. Regulation of Cell Cycle Rb and p53 pathway. Biomedical Journal of Indonesia. 6:2020.

60. Cahyanur R, Irawan C. Cyclin D1 and Chemotherapy Response. Indonesian Journal of Cancer. 31 Maret 2021;15(1):41.

61. Hamilton E, Infante JR. Targeting CDK4/6 in Patients with Cancer. Cancer Treat Rev. 2016;45:129–38.

62. Montalto FI, De Amicis F. Cyclin D1 in Cancer: A Molecular Connection for Cell Cycle Control, Adhesion and Invasion in Tumor and Stroma. Cells. Desember 2020;9(12):1–15.

63. Sundararajan R, Salameh T, Camarillo IG, Ramachandran RP, Natarajan A, Sankaranarayanan K. Irreversible Electroporation: a Drug-Free Cancer Treatment. Dalam: Electroporation-Based Therapies for Cancer: From Basics to Clinical Applications. Elsevier; 2014. hlm. 219–43.

64. Zhang W, Huang Q, Hua Z. Galangin and TRAIL Cooperate to Suppress A549 Lung Cancer Proliferation via Apoptosis and P38 MAPK Activation. Acta Pharm Sin B. 2012;2(6):569–74.

65. Garcia-de-Alba C. Repurposing A549 Adenocarcinoma Cells: New Options for Drug Discovery. Am J Respir Cell Mol Biol. 2021;64(4):405–6.

66. Ma'at S. Teknik Dasar Kultur Sel. Surabaya: Airlangga University Press; 2011.

67. Segeritz CP, Vallier L. Cell Culture: Growing Cells as Model Systems in Vitro. Dalam: Basic Science Methods for Clinical Researchers. Elsevier Inc.; 2017. hlm. 151–72.

68. Hayati A, Zubaidah U, Nurbani FA, Rohmatika AU, Nabilla N, Safitri M, dkk. Kultur Sel dan Jaringan Hewan. Surabaya: Airlangga University Press; 2023.

69. Sule R, Rivera G, Gomes A V. Western Blotting (Immunoblotting): History, Theory, Uses, Protocol and Problems. Biotechniques. Februari 2023;75(3):99–114.

70. Bass JJ, Wilkinson DJ, Rankin D, Phillips BE, Szewczyk NJ, Smith K, dkk. An Overview of Technical Considerations for Western Blotting Applications to Physiological Research. Scand J Med Sci Sports. 2017;27(1):4–25.

71. Ronderos PQ, Arango MT, Castiblanco J, Correa NE, Ortiz GM. Analysis of proteins and antibodies. Dalam: Anaya JM, Shoenfeld Y, Rojas-Villarraga A, dkk., editor. Autoimmunity: From Bench to Bedside. Bogota: El Rosario University Press; 2013. El Rosario University Press;

72. Meftahi GH, Bahari Z, Zarei Mahmoudabadi A, Iman M, Jangravi Z. Applications of Western Blot Technique: From Bench to Bedside. Biochemistry and Molecular Biology Education. 2021;49(4):509–17.

73. Ghosh R, Gilda JE, Gomes A V. The Necessity of and Strategies for Improving Confidence in the Accuracy of Western Blots. Expert Rev Proteomics. 2014;11(5):549–60.

74. Junedi S. Prosedur Tetap: Perhitungan Sel. Cancer Chemoprevention Res Cent Farm UGM Yogyakarta. 2009:1-4.

75. Thermo Scientific. RIPA Lysis and Extraction Buffer. USA: Thermo Scientific; 2020.

76. Invitrogen. Qubit 4 Fluorometer. Thermo Fisher Scientific; 2018.

77. Invitrogen. Mini Gel Tank. USA: Thermo Fisher Scientific; 2015.

78. Invitrogen. iBlot 2 Drying Blotting System. Thermo Fisher Scientific; 2019.

79. Thermo Scientific. Instructions 1-Step Ultra TMB-Blotting Solution. USA: Thermo Fisher Scientific; 2012.

80. Li Z. In Vitro Micro-Tissue and -Organ Models for Toxicity Testing. Dalam: Moo-Young M, editor. Comprehensive Biotechnology. Second Edition. Elsevier; 2011. hlm. 551–63.

81. Bakhach J. The Cryopreservation of Composite Tissues. Organogenesis. 2009;5(3):119–26.

82. Centers for Disease Control and Prevention, National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories. 6th Edition. USA: Department of Health and Human Services; 2020.

83. Gibco. Cell Culture Basic Handbook. Thermo Fisher Scientific; 2020.

84. WHO. Biological Safety Cabinets and Other Primary Containment Devices. WHO; 2020.

85. Gibco. RPMI 1640 Medium Product Information Sheet. Thermo Fisher Scientific; 2022.

86. Weiskirchen S, Schröder SK, Buhl EM, Weiskirchen R. A Beginner's Guide to Cell Culture: Practical Advice for Preventing Needless Problems. Cells. 2023;12(5):1–23.

87. Hassan SN, Ahmad F. The Relevance of Antibiotic Supplements in Mammalian Cell Cultures: Towards a Paradigm Shift. Gulhane Medical Journal. 2020;62(4):224–30.

88. Maniarasu S, R MK. A Mini-Review on CO2 Role in Cell Culture and Medicinal Applications. Journal of Science & Theraphy. 2022;13(3):1–4.

89. B A, A J, J L, et al. Molecular Biology of the Cell. 4th Edition. New York: Garland Science; 2002.

90. Lordon B, Campion T, Gibot L, Gallot G. Impact of Trypsin on Cell Cytoplasm during Detachment of Cells Studied by Terahertz Sensing. Biophys J. 2024;123(16):2476–83.

91. Tiwari P, Mrigwani A, Kaur H, Kaila P, Kumar R, Guptasarma P. Structural-Mechanical and Biochemical Function of Classical Cadherin at Cellular Junction: A Review and Some Hypotheses. Dalam: Chattopadhyay K, Basu SC, editor. Biochemical and Biophysical Roles of Cell Surface Molecules. Singapore: Springer; 2018.

92. Fang IJ, Trewyn BG. Application of Mesoporous Silica Nanoparticles in Intracellular Delivery of Molecules and Proteins. Dalam: Duzgunes N, editor. Methods in Enzymology. Academic Press Inc.; 2012. hlm. 41–59.

93. Parisa N, Kamaluddin, Saleh I, Rosdah AA, Lusiana E, Fatmawati. Buku Ajar Farmakologi Eksperimental. Ponorogo: Uwais Inspirasi Indonesia; 2024.

94. Santoso U, Setyaningsih W, Ningrum A, Ardhi A, Sudarmanto. Analisis Pangan. Yogyakarta: Gadjah Mada University Press; 2020.

95. Harahap MR. Elektroforesis: Analisis Elektronika Terhadap Biokimia Genetika. Jurnal Ilmiah Pendidikan Teknik Elektro. 2018;2(1):21–6.

96. Thermo Scientific. Western Blotting Handbook and Troubleshooting Guide. USA: Thermo Fisher Scientific; 2007.

97. Thermo Scientific. Pierce Western Blotting Handbook and Troubleshooting Guide. USA: Thermo Fisher Scientific; 2014.

98. Collins JM, Wang D. Cytochrome P450 3A4 (CYP3A4) Protein Quantification Using Capillary Western Blot Technology and Total Protein Normalization. J Pharmacol Toxicol Methods. 2021;112:1–18.

99. NCBI. Pubchem Compound Summary for CID 5281650, Mangostin [Internet]. National Center for Biotechnology Information. 2025. [diakses pada 30 Januari 2025]. Laman: https://pubchem.ncbi.nlm.nih.gov/compound/Mangostin.

100. Xu Q, Ma J, Lei J, Duan W, Sheng L, Chen X, dkk. α-Mangostin Suppresses the Viability and Epithelial-Mesenchymal Transition of Pancreatic Cancer Cells by Downregulating the PI3K/Akt Pathway. Biomed Res Int. 2014;2014:1–12.

101. Iksen, Pothongsrisit S, Pongrakhananon V. Targeting the PI3K/AKT/mTor Signaling Pathway in Lung Cancer: An Update Regarding Potential Drugs and Natural Products. Molecules. 2021;26(13):1–27.

102. Ding YY, Luan JJ, Fan Y, Olatunji OJ, Song J, Zuo J. α-Mangostin Reduced the Viability of A594 Cells In Vitro by Provoking ROS Production Through Downregulation of NAMPT/NAD. Cell Stress Chaperones. Januari 2020;25(1):163–72.

103. Martínez-Limón A, Joaquin M, Caballero M, Posas F, de Nadal E. The p38 Pathway: From Biology to Cancer Therapy. Vol. 21, International Journal of Molecular Sciences. MDPI AG; 2020.