

DAFTAR PUSTAKA

- Alberts, B., dkk., 2002, *Molecular Biology of the Cell*, Taylor & Francis Books.
- Allen, N. J. & Barres, B. A., 2009, Glia - More Than Just Brain Glue, *Neuroscience*, 457, 675–677.
- Almog, Nava., dkk., 2012, Consensus Micro RNAs Governing the Switch of Dormant Tumors to the Fast-Growing Angiogenic Phenotype, *PLoS ONE*, 7(8): e44001.
- Anton, Howard, 2000, *Elementary Linear Algebra, Eight Edition*, John Wiley and Sons, Inc., New York.
- Anton, Howard., dkk., 2010, *Elementary Linear Algebra Tenth Edition*, John Wiley and Sons, Inc, New York.
- Berman, A. dan Plemmos, R.J., 1994, *Nonnegative Matrices in the Mathematical Sciences*, Academic Press, New York.
- Borges, F.S., dkk., 2014, Model For Tumour Growth with Treatment by Continuous and Pulsed Chemotherapy, *BioSystems*, 116, 43–8.
- Böttcher, Marvin A., dkk., 2018, Modeling Treatment-Dependent Glioma Growth Including A Dormant Tumor Cell Subpopulation , *BMC Cancer*, Germany.
- Browder, T., dkk., 2001, Anti-Angiogenic Scheduling of Chemotherapy Improves Efficacy Against Experimental Drug-Resistant Cancer, *Cancer Res*, 60, 1878–1886.
- Castillo-Chavez, C. dan Brauer, F., 2012, *Mathematical Models in Population Biology and Epidemiology*, in: *Texts in Applied Mathematics : Vol. 40.*, Springer, New York.

- Cea, V.S., dkk., 2012, Antiangiogenic Therapy for Glioma, *Journal of Signal Transduction*, 483040(12), 15.
- Chitnis, N., M.Hyman, J., dan M.Cushing, J., 2008, Determining Important Parameters in the Spread of Malaria Through the Sensitivity Analysis of a Mathematical Model, *Bulletin of Mathematical Biology*, 70, 1272–1296.
- Clarke, G., dkk., 2000, A One-Hit Model of Cell Death in Inherited Neuronal Degenerations, *Nature*, 406, 195–199.
- Coelho, F.L., dkk., 2021, Anti-Angiogenic Therapy: Current Challenges and Future Perspectives, *Int.J.Mol. Sci*, 3765, 22.
- FAJ, A., dkk., 2009, Equal Numbers of Neuronal and Nonneuronal Cells Make The Human Brain An Isometrically Scaled-Up Primate Brain, *J Compe Neurol*, 513, 532-541.
- Finizio.N dan Ladas.G., 1998, *Persamaan Diferensial Biasa dengan Penerapan modern Edisi kedua*, Erlangga, Jakarta.
- Folkman, J., 1971, Tumor Angiogenesis: Therapeutic Implications, *The New England Journal of Medicine*, 285(21), 1182.
- Folkman, J., 2002, Role of Angiogenesis in Tumor Growth and Metastasis, *Semin Oncol*, 29, 15–18.
- Ghosh, A., Chaudhuri, S., 2010, Microglial Action in Glioma: A Boon Turns Bane, *Immunol Lett*, 131, 3–9.
- Glees, P., 1955, *Neuroglia: Morphology and Function*, Blackwell, Oxford.
- Hamilton, S.R & Aaltonen, L.A., 2000, World Health Organization Classification of Tumours: Pathology and Genetics of Tumors of The Digestive System, *IARC Press*.
- Haroun, R.I., dkk., 2002, Extreme Drug Resistance In Primary Brain Tumors: in Vitro Analysis of Resection Specimens, *J Neurooncol*, 58, 115-25.

- Hanahan, D., dkk., 1996, Patterns and Emerging Mechanisms of The Angiogenic Switch During Tumourigenesis, *Cell*, 86, 353-364.
- Holling, C.S., 1959, Some Characteristics of Simple Types of Predation and Parasitism, *Entomology Journal Canada*, 91, 385-398.
- Iarosz, K.C, dkk., 2015, Mathematical Model of Brain Tumour with Glia-Neuron Interactions and Chemotherapy Treatment, *J Theor Biol*, 368, 113–21.
- Inaba, N., dkk., 2011, The Effect of PTEN On Proliferation and Drug and Radio-sensitivity in Malignant Glioma Cells, *Anticancer Res*, 31, 1653–1658.
- Jia, Yan-Bin., 2020, Roots of Polynomials, *Com S, Notes*, 477/577 .
- Johnson, K.E. & Wilgus, T.A., 2013, Vascular Endothelial Growth Factor and Angiogenesis in the Regulation of Cutaneous Wound Repair, *Advances In Wound Care*, 3(10).
- Kartono, 2012, *Persamaan Diferensial Biasa Model Matematika Fenomena Perubahan*, Semarang, Graha Ilmu.
- Luria S., Delbrück M., 1943, Mutations of Bacteria From Virus Sensitivity to Virus Resistance, *Genetics*, 28(6), 491–511.
- Mansoori, B., dkk., 2017, The Different Mechanisms of Cancer Drug Resistance: A Brief Review, *Adv Pharm Bull*, 7(3), 339-348.
- Mesfin, Fasil B. & Al-Dhahir, Mohammed A., 2022, Gliomas, *StatPearls Publishing LLC*.
- Meyer-Franke, A., Kaplan, M.R., Pfrieder, F.W., Barres, B.A., 1995, Characterization of The Signaling Interactions That Promote The Survival and Growth of Developing Retinal Ganglion Cells in Culture , *Neuron*, 15, 805–819.
- Nani, F and Freedman, H.I., 2013, A Mathematical Model of Cancer Treatment by Immunotherapy, *Math Biosci*, 163, 159–99.

- Nass, J and Efferth, T. Drug Targets And Resistance Mechanisms in Multiple Myeloma, *Cancer Drug Resist*, 1, 87–117.
- Nicholson, W. Keith., 2013, *Linear Algebra with Applications*, McGraw-Hill Ryerson, The Limited.
- Olsder, G.J., 1994, *Mathematical System Theory*, Delftse Uitgevers Maatschappij, CW Delft, Netherlands.
- Pei, Y., Chen, L., Zhang, Q., Li, C., 2005, Extinction and Permanence of One-Prey Multi-Predators of Holling Type II Function Response System with Impulsive Biological Control, *J. Theor Biol*, 235(4), 495–503.
- Perko, Lawrence, 2001, *Differential Equations and Dynamical Systems*, Springer-Verlag, New York.
- Peters, A., dkk., 1998, Are neurons lost from the primate cerebral cortex during normal aging, *Cereb Cortex*, 8, 295–300.
- Pillis, L.G., and Radunskaya, A.E., 2002, *Non-dimensionalization of Tumor Immune ODE System*, W.M. Kick Foundation.
- Pinho, S.T.R., 2012, A Mathematical Model for The Effect of Anti-Angiogenic Therapy in The Treatment Of Cancer Tumours by Chemotherapy, *Nonlinear Analysis: Real World Applications*, 14, 815–828.
- Rabé, M., 2004, Identification of A Transient State During The Acquisition of Temozolomide Resistance In Glioblastoma, *Cell Death Dis*, 11:19.
- Ross, S.L., 1984, *Differential Equation: Third Edition*, John Wiley Inc, Canada.
- Sachs, R.K., dkk., 2001, Simple ODE Models of Tumour Growth and Anti-Angiogenic or Radiation Treatment, *Math. Comput. Modelling*, 33, 1297–1305.
- Said, R., dkk., 2007, Cyclophosphamide Pharmacokinetics In Mice: A Comparison Between Retro Orbital Sampling Versus Serial Tail Vein Bleeding , *Open Pharmacol*, 1, 30-35.

- Semenza, Gregg L., dkk., 2003, Targeting Hif-1 For Cancer Therapy, *Nature Rev Cancer*, 721–732.
- Sherbet, D.R. dan Bartle, R.S., 2011, *Introduction to Real Analysis*, John Wiley and Sons, Inc., America.
- Silver, R.T., dkk., 1987, *A Synopsis of Cancer Chemotherapy*, Yorke Medical Books, Yorke Medical Books.
- Spratt, S., Meyer, J.A., 1996, Rates of Growth of Human Neoplasms: Part II, *J. Surg. Oncol.*, 61, 68–83.
- Stephen, W., 1990, *Introduction to Applied Nonlinear Dynamical System and Chaos*, New York.
- Sun, Xiaoqiang., dkk., 2016, Mathematical Modeling of Therapy-induced Cancer Drug Resistance: Connecting Cancer Mechanisms to Population Survival Rates, *Scientific Reports*, 6(22498).
- Shusterman, S., dkk., 2001, The Angiogenesis Inhibitor TNP-470 Effectively Inhibits Human Neuroblastoma Xenograft Growth Especially In The Setting of Subclinical Disease , *Clin. Cancer Res*, 7, 977-984.
- Taylor, A.E. dan Mann, W.R., 1983, *Advanced Calculus Third Edition*, John Wiley and Son, New York.
- Trobia, Jose., dkk., 2020, Mathematical Model of Brain Tumour Growth with Drug Resistance, *Communications in Nonlinear Science and Numerical Simulation*, 103, 1007-5704.
- Tsai, C. H. & Pao, H. C., 2004, Global Stability for the Leslie-Gower Predator Prey System with Time-Delay and Holling’s Type Functional Response, *Tunghai Science*, 6, 43-72.
- Wick, W., Platten, M., Weller, M., 2009, New (Alternative) Temozolomide Regimens for The Treatment of Glioma , *Neuro. Oncol*, 11(1), 69–79.

Wiggins, Stephen, 1990, *Introduction to Applied Nonlinear Dynamical Systems and Chaos*, Springer-Verlag New York, Inc., New York.

Würdinger, T., Tannous, B.A., 2009, Glioma Angiogenesis, *Cell Adhesion & Migration*, 3(2), 230-235.

Yang, Keyang., dkk., 2022, Glioma Targeted Therapy: Insight Into Future of Molecular Approaches, *Department of Neurosurgery*, Xiangya Hospital, Central South, University, Changsha, China.

Ye, Z.C., Sontheimer, H., 1999, Glioma Cells Release Excitotoxic Concentrations of Glutamate, *Cancer Res*, 59(17), 4383–4391.