

DAFTAR PUSTAKA

- Abbas, Abul K., Andrew H. Lichtman dan Jordan S.Pober, 1994, *Cellular and Molecular Immunology, Second Edition*, W.B. Saunders Company, USA.
- Abbas, Abul K., Andrew H. Lichtman dan Shiv Pillai, 2012, *Cellular and Molecular Immunology, Seventh Edition*, Elsevier Saunders, USA.
- Anderson, Alexander R.A., 2005, *A Hybrid Mathematical Model of Solid Tumour Invasion: The Importance of Cell Adhesion*, Mathematical Medicine and Biology, pp.163-186.
- Anton, Howard, 2000, *Elementary Linear Algebra, Eight Edition*, John Wiley and Sons, Inc., New York.
- Applegate, Kelli G., Charles M. Balch dan Neal R. Pellis, 1990, *In Vitro Migration of Lymphocytes through Collagen Matrix: Arrested Locomotion in Tumor-Infiltrating Lymphocytes*, Cancer Research 50, pp.7153-7158.
- Asih, Tri Sri Noor, Suzanne Lenhart, Steven Who, Lina Aryati, F. Adi Kusumo, Mardiah S. Hardianti, dan Jonathan Forde, 2012, *The Dynamics of HPV Infection and Cervical Cancer Cells*, Bulletin of Mathematical Biology.
- Aziz, M. Farid, Andrijono, dan Abdul Bari Saifuddin, editor, 2006, *Buku Acuan Nasional: Onkologi Ginekologi*, Yayasan Bina Pustaka Sarwono Prawirohardjo, Jakarta.
- Balkwill, Fran, 2004, *Cancer and the Chemokine Network*, Cancer Research, U.K.
- Campbell, Neil A., Jane B. Reece dan Lawrence G. Mitchell, 2002, *Biologi, Edisi Kelima, Jilid I*, Erlangga, Jakarta.

- Chaplain, M.A.J., V.A.Kuznetsov, Z.H. James dan L.A. Stepanova, 1998, *Spatio-Temporal Dynamics of the Immune System Response to Cancer*, Mathematical Models in Medical and Health Sciences, Vanderbilt University Press, Nashville, TN.
- Chaplain, M.A.J., dan G.Lolas, 2006, *Mathematical Modelling of Cancer Invasion of Tissue: Dynamic Heterogeneity*, American Institute of Mathematical Sciences Volume 1, Number 3.
- Chew, Valerie, Han Chong Toh, dan Jean- Pierre Abastado, 2012, *Immune Micro-environment in Tumor Progression Characteristics dan Challenges for Therapy*, Journal of Oncology, Hindawi Publishing Corporation.
- Copeland, Robert A., 1996, *Enzymes: A Practical Introduction to Structure, Mechanism, and Data Analysis*, Wiley-VCH, Inc., Canada.
- Drasdo, D. dan Homme S., 2003, *Individual-Based Approach to Birth and Death in Avascular Tumours*, Math.Comput.Modelling, 37, pp.1163-1175.
- Erdem, A. dan S. Pamuk, 2007, *The Method of Lines for the Numerical Solution of a Mathematical Model for Capillary Formation*, Appl. Math. Comput 186, pp.891-897.
- Erdelyi, A., 1951, *The Analytic Theory of Systems of Partial Differential Equations*, California Institute of Technology.
- Esparza, Jordi, Carme Vilardell, Javier Calvo, Manel Juan, Jordi Vives, Alvaro Urbano-Marquez, Jordi Yague dan Maria C.Cid, 1999, *Fibronectin Upregulates Gelatinase B (MMP-9) and Induces Coordinated Expression of Gelatinase A (MMP-2) and Its Activator MT1-MMP (MMP-14) by Human T Lymphocyte Cell Lines, A Process Repressed Through RAS/MAP Kinase Signaling Pathways*, Blood, Vol 94, pp.2754-2766.
- Gorter, Arko, Henry J Zijlmans, Hestia van Gent, J Baptist Trimboos, Gert J Fleuren dan Ekaterina S Jordanova, 2010, *Versican Expression is Associated with Tumor*

Infiltrating CD8-Positive T Cells and Infiltration Depth in Cervical Cancer, Modern Pathology, pp. 1605- 1615.

Guetta, Daniel, 2009, *Flux, Surface Integrals and Gauss' Law*, guetta@cantab.net

Harjanto, Dewi dan Muhammad H. Zaman, 2013, *Modeling Extracellular Matrix Reorganization in 3D Environment*, PLoS ONE 8(1):e52509.doi:10.1371/journal.pone.0052509, U.K.

Hazelbag, Suzanne, Arko Gorter, Gemma G.Kenter, Lambert Van Den Broek, dan Gertjan Fleuren, 2004, *Transforming Growth Factor- β_1 Induces Tumor Stroma and Reduces Tumor Infiltrate in Cervical Cancer*, Elsevier Science, USA.

House, Michael, David L.Kaplan, dan Simona Socrate, 2009, *Relationships between Mechanical Properties and Extracellular Matrix Constituents of the Cervical Stroma during Pregnancy*, PMC.

Humi,Mayer dan William B. Miller, 1992, *Boundary Value Problems and Partial Differential Equations*, PWS-Kent, Publishing Company, Boston.

ICO Information Centre on HPV and Cancer, 2015, *Human Papillomavirus and Related Diseases Report*.

Kementerian Kesehatan RI, 2015, *Situasi Penyakit Kanker*, Infodatin: Pusat Data dan Informasi Kementerian Kesehatan RI, Jakarta.

Kim, Chang H., 2014, *Crawling of Effector T Cells on Extracellular Matrix: Role of Integrins in Interstitial Migration in Inflamed Tissues*, Cellular and Molecular Immunology 11, pp.1-4.

Kresno, Siti Boedina, 2010, *Imunologi: Diagnosis dan Prosedur Laboratorium*, Badan Penerbit Fakultas Kedokteran Universitas Indonesia, Jakarta.

Kuttler, Christina, 2011, *Reaction-Diffusion Equations with Application*.

- Kuznetsov, V.A., Makalkin, I.A., Taylor, M.A., dan Perelson, A.S., 1994, *Nonlinear Dynamics of Immunogenic Tumours: Parameter Estimation and Global Bifurcation Analysis*, Bull.Math.Biol., 56, pp.295-321.
- Kyle, A.H., Chan C.T., dan Minchinton A.I., 1999, *Characterization of Three-Dimensional Tissue Cultures Using Electrical Impedance Spectroscopy*, Biophys.J., 76, pp.2640-2648.
- Lewis, Roland W., Perumal Nithiarasu dan Kankanhalli N, Seetharamu, 2004, *Fundamentals of the Finite Element Method for Heat and Fluid Flow*, John Wiley and Sons, Ltd., England.
- Logan, J. David, 2008, *An Introduction to Nonlinear Partial Differential Equations*, John Wiley and Sons, Inc., New Jersey.
- Longo, Dan L., editor, 2010, *Harrison's Hematology and Oncology*, McGraw-Hill Companies, Inc., United States.
- Malinzi, Joseph, 2013, *Modelling the Response of Cytotoxic T-Lymphocytes in Controlling Solid Tumour Invasion*, Disertasi, School of Mathematics, Statistics and Computer Science, University of Kwazulu-Natal.
- Matzavinos, Anastasios dan Mark A.J. Chaplain, 2004, *Mathematical Modelling of The Spatio-Temporal Response of Cytotoxic T-Lymphocytes to a Solid Tumour*, Mathematical Medicine and Biology, pp.1-34.
- Murray, James D., 2002, *Mathematical Biology I: An Introduction, 3rd edition*, Springer Interdisciplinary Applied Mathematics Series, Vol.17.
- Nomiyama, H., Nakayama Hieshima K., Sakaguchi T., dkk, 2001, *Human CC Chemokine Liver-Expressed Chemokine/CCL16 is a Functional Ligand for CCR1, CCR2 and CCR5, and Constitutively Expressed by Hepatocytes*, Int. Immunol.
- Olsder, G.J., 1994, *Mathematical System Theory*, Delftse Uitgevers Maatschappij, CW Delft, Netherlands.

- Oudenaarden, A. Van., 2004, *Systems Biology*.
- Parham, Peter, 2005, *The Immune System, Second Edition*, Garland Science, USA.
- Perko, Lawrence, 2001, *Differential Equations and Dynamical Systems*, Text in Applied Mathematics Vol.7, Springer-Verlag, New York.
- Piersma, Sytse J., Ekaterina S. Jordanova, Mariette I.E. van Poelgeest, Kitty M.C. Kwappenberg, Jeanette M.van der Hulst, Jan W.Drijfhout, Cornelis J.M. Melief, Gemma G. Kenter, Gert Jan Fleuren, Rienk Offringa, dan Sjoerd H. van der Burg., 2007, *High Number of Intraepithelial CD8+ Tumor- Infiltrating Lymphocytes is Associated with the Absence of Lymph Node Metastases in Patients with Large Early- Stage Cervical Cancer*, American Association for Cancer Research, www.cancerres.aacrjournals.org.
- Pigozzo, Alexandre Bittencourt, Gilson Costa Macedo, Rodrigo Weber dos Santos dan Marcelo Lobosco, 2013, *On the Computational Modeling of the Innate Immune System*, BMC Bioinformatics Vol 14 Supplement 6, Cambridge, UK.
- Pillis, L.G. de dan A.E. Radunskaya, 2002, *Non-dimensionalization of Tumor-Immune ODE System*.
- Poveda, Kirvis Torres, Margarita Bahena-Roman, Claudia Madrid-Gonzales, Ana I Burguete-Garcia, Victor Hugo Bermudez-Moralez, Oscar Peralta-Zaragoza, dan Vicente Madrid-Marina, 2014, *Role of IL-10 and TGF- β 1 in Local Immunosuppression in HPV-Associated Cervical Neoplasia*, World Journal of Clinical Oncology, <http://www.wjgnet.com>.
- Preziosi, Luigi., 2003, *Cancer Modelling and Simulation*, CRC Press LLC, USA.
- Ross, S.L., 1984, *Differential Equation: Third Edition*, John Wiley Inc., Canada.
- Schiesser, William E dan Graham W. Griffiths, 2009, *A Compendium of Partial Differential Equation Models: Method of Lines Analysis with Matlab*, Cambridge University Press, New York.

- Sotoodehnejadnematalahi, Fattah dan Bernard Buke, 2013, *Structure, Function and Regulation of Versican: The Most Abundant Type of Proteoglycan in the Extracellular Matrix*, Acta Medica Iranica Vol.51 No.11.
- Thomas, George B., 2010, *Thomas' Calculus, Twelfth Edition*, Pearson Education, Inc., Boston.
- Tripathi, G., editor, 2010, *Cellular and Biochemical Sciences*, International Publishing House Pvt.Ltd., New-Delhi.
- Tsvgvintsev, Alexei, Simeone Marino dan Denise E. Kirschner, 2012, *A Mathematical Model of Gene Therapy for the Treatment of Cancer*, Mathematical Models and Methods in Biomedicine, Springer-Verlag.
- Verhulst, F., 1996, *Nonlinear Differential Equations and Dynamical Systems*, Springer, Berlin.
- Walker, D.C., B.H. Brown, A.D. Blackett, J. Tidy dan R.H. Smallwood, 2002, *A Study of the Morphological Parameters of Cervical Squamous Epithelium*, Physiological Measurement, U.K.
- World Health Organization, 2015, *Human Papillomavirus (HPV) and Cervical Cancer*.
- Wiggins, Stephen, 1990, *Introduction to Applied Nonlinear Dynamical Systems and Chaos*, Springer-Verlag New York, Inc., New York.
- Wu, Ming-Yih, Tzu-Yun Kuo dan Hong-Nerng Ho, 2011, *Tumor-Infiltrating Lymphocytes Contain a Higher Proportion of FOXP3+T Lymphocytes in Cervical Cancer*, Journal of the Formosan Medical Association Vol.110, Issue 9, pp.580-586.
- Yan-Bin Jia, 2015, *Roots of Polynomials*, Com S 477/577 Notes.