

DAFTAR PUSTAKA

- Agung, S.S., Maksum, I.P., dan Subroto, T., 2016. Serum Otologus dan human Epidermal Growth Factor (hEGF) Mempercepat Proliferasi dan Migrasi Keratinosit pada Proses Re-Epitelisasi. *Majalah Kedokteran Bandung*; 48(4): pp. 205-210.
- Alharbi, S., Nimii, Y., Hawkins, H., Cox, R., Osada, A., Ihara, K., Sakurai, H., Prough, D., Herndon, D., dan Enkhbaatar, P., 2018. 369 Efficacy of Keratinocyte Sheet Cultured in Temperature Responsive Dish in Ovine Burn Wound Healing. *Burn Care & Research*; 39(suppl_1): p. S155.
- Alvarez, V.M., Weid, I.V.D., Seldin, L., dan Santos, A.L.S., 2006. Influence of Growth Conditions on the Production of Extracellular Proteolytic Enzymes in *Paenibacillus peoriae* NRRL BD-62 and *Paenibacillus polymyxa* SCE2. *Letters in Applied Microbiology*; 43(6): pp. 625-630.
- Amin, N., dan Doupis, J., 2016. Diabetic Foot Disease: From the Evaluation of the “Foot at Risk” to the Novel Diabetic Ulcer Treatment Modalities. *World Journal of Diabetes*; 7(7): pp. 153-164.
- Anggrahini, D.N.D., 2016. *Produksi, Pemekatan, dan Karakterisasi Enzim Protease dari Lactobacillus plantarum SK(5)*, Bogor: Institut Pertanian Bogor.
- Arena, S., Impellizzeri, P., Parisi, S., Perrone, P., Russo, T., Romeo, C., 2018. Modified Partial Circumcision for Phimosis: Techniques and Surgical Outcomes. *Annals of Pediatric Surgery*; 14(3): pp. 151-156.
- Belzer, F.O. dan Southard, J.H., 1988. Principles of Solid-Organ Preservation by Cold Storage. *Transplantation*; 45(4): pp. 673-676.
- Borowiec, A.S., Delcourt, P., Dewailly, E. dan Bidaux, G., 2013. Optimal Differentiation of In Vitro Keratinocytes Requires Multifactorial External Control. *Plos One*; 8(10): pp. 1-15.
- Tomic - Canic, M., dan Brem, H., 2004. Gene Array Technology and Pathogenesis of Chronic Wounds. *The American Journal of Surgery*; 188(1): pp. 67-72.
- Campbell, M.K. dan Farrell, S.O., 2006. *Biochemistry*. Ed. 5. Belmont: Thomson Brooks/Cole.
- Chalamaiah, M., Kumar, D., Hemalatha, R. dan Jyothirmayi, T., 2012. Fish Protein Hydrolysates: Proximate Composition, Amino Acid Composition, Antioxidant Activities and Applications: a Review. *Food Chemistry*; 135(4): pp. 3020-3038.
- Churiyah, Kusuma, I., Kusumastuti, S.A., Hadi, R.S., Wibowo, A.E., dan Fabiola, F.K., 2016. Isolasi Sel Punca Pluripoten dengan Penanda CD105+ dan SSEA3+ dari Sel Fibroblas Kulit Asal Jaringan Preputium. *Jurnal Ilmu Kefarmasian Indonesia*; 14(2): pp. 233-239.
- Cold, C.J. dan Taylor, J.R., 1999. The Prepuce. *British Journal of Urology*; 83(Suppl. 1): pp. 34-44.
- Cole, R.J. dan Paul, H., 1966. The Effects of Erythropoietin on Haem Synthesis in Mouse Yolk Sac and Cultured Foetal Liver Cells. *Journal of Embryology and Experimental Morphology*; 15(2): pp. 245-260.

- Creighton, T., 1975. Homology of Protein Structures: Proteinase Inhibitors. *Nature*; 255(5511): pp. 743-745.
- Darby, R., 2011. Routine Peripubertal Circumcision. *Canadian Medical Association Journal*; 183(11): pp. 1283-1284.
- Davis, M.C., Luecken, L. dan Lemery - Chalfant, K., 2009. Resilience in Common Life: Introduction to the Special Issue. *Journal of Personality*; 77(6): pp. 1637-1644.
- Delarco, J.E. dan Liener, I.E., 1973. The Involvement of an Arginine Residue of Trypsin in its Interaction with the Kunitz Soybean Trypsin Inhibitor. *Biochimica et Biophysica Acta*; 303(2): pp. 247-283.
- Dunnwald, M., Chalkley, A.T., Alexandrunas, D., Fishbaugh, J., dan Bickenbach, J.R., 2001. Isolating a Pure Population of Epidermal Stem Cells for Use in Tissue Engineering. *Experimental Dermatology*; 10(1): pp. 45-54.
- Edmonds, M.E. dan Foster, A.V.M., 2008. *Managing the Diabetic Foot*. Ed. 2. London: Blackwell Publishing.
- Everett, E., dan Mathioudakis, N., 2018. Update on Management of Diabetic Foot Ulcers. *Annals of the New York Academy of Sciences*; 1411(1): pp. 153-165.
- Faridah, Fachraniah, Arifien, dan Sari, C.M., 2017. *The Influence of Addition of Papain Enzyme and Carboxyl Methyl Cellulose on the Textural Properties of Tofu*. Lhokseumawe, IOP Publishing.
- Fitria, E., Nur, A., Marissa, N., dan Ramadhan, N., 2017. Karakteristik Ulkus Diabetikum pada Penderita Diabetes Mellitus di RSUD dr. Zainal Abidin dan RSUD Meuraxa Banda Aceh. *Buletin Penelitian Kesehatan*; 45(3): pp. 153-160.
- Fogarty, W.M., dan Griffin, P.J., 1973. Production and Purification of the Metalloprotease of *Bacillus polymyxa*. *Applied Microbiology*; 26(2): pp. 185-190.
- Freshney, R.I., 2016. *Culture of Animal Cells: A Manual of Basic Technique and Specialized Applications*. Ed. 6. Hoboken: John Wiley & Sons, Inc.
- Garna, H., 2001. Patofisiologi Infeksi Bakteri pada Kulit. *Sari Pediatri*; 2(4): pp. 205-209.
- Gartika, M., Sasmita, I.S., Satari, M.H., Chairulfattah, A., dan Hilmanto, D., 2014. Antibacterial Activity of Papain Against *Streptococcus Mutans* ATCC 25175. *International Journal of Development Research*; 4(10): pp. 2075-2077.
- Ghory, H., 2017. *Phimosis and Paraphimosis*. [serial online]. Available from: URL: <http://www.emedicine.medscape.com>. [Diakses 1 Januari 2019].
- Goh, B.K., Chua, X.M., Chong, K.L., Mil, M.D., dan Geel, N.A.C.V., 2010. Simplified Cellular Grafting for Treatment of Vitiligo and Piebaldism: The "6-Well Plate" Technique. *Dermatologic Surgery*; 36(2): pp. 203-207.
- Grandhe, N.P., Bhansali, A., Dogra, S., dan Kumar, B., 2005. Acanthosis Nigricans: Relation with Type 2 Diabetes Mellitus, Anthropometric Variables, and Body mass in Indians. *Postgraduate Medical Journal*; 81(958): pp. 541-544.

- Grinnell, K.L., dan Brikenbach, J.R., 2007. Skin Keratinocytes Pre-Treated with Embryonic Stem Cell-Conditioned Medium or BMP4 can be Directed to an Alternative Cell Lineage. *Cell Proliferation*; 40(5): pp. 685-705.
- Habif, T.P., 2011. *Skin Disease, Diagnosis and Treatment*. Ed. 3. London: Saunders Elsevier.
- Hartono, B., 2016. Sel Punca: Karakteristik, Potensi dan Aplikasinya. *Jurnal Kedokteran Meditek*; 22(60): pp. 72-75.
- Hashemi, S.S., Jowkar, S., Mahmoodi, M., Rafati, A.R., Mehrabani, D., Zarei, M., dan Keshavarzi, A., 2018. Biochemical Methods in Production of Three-Dimensional Scaffolds from Human Skin: A Window in Aesthetic Surgery. *World Journal of Plastic Surgery*; 7(2): pp. 204-211.
- Hingorani, A., LaMuraglia, G.M., Henke, P., Meissner, M.H., Loretz, L., Zinszer, K.M., Driver, V.R., Frykberg, R., Carman, T.L., Marston, W., Mills, J.L., dan Murad, M.H., 2016. The Management of Diabetic Foot: A Clinical Practice Guideline by the Society for Vascular Surgery in Collaboration with the American Podiatric Medical Association and the Society for Vascular Medicine. *Journal of Vaskular Surgery*; 63(2): pp. 3S-21S.
- Hoffman, M., 2014. *Picture of the Skin*. [serial online]. Available from: URL: <http://www.webmd.com>. [Diakses 23 Desember 2018].
- Hutami, S., 2009. Penggunaan Suspensi Sel dalam Kultur In Vitro. *Jurnal AgroBiogen*; 5(2): pp. 84-92.
- Isaksen, G.V., Aqvist, J., dan Brandsdal, B.O., 2014. Protein Surface Softness Is the Origin of Enzyme Cold-Adaptation of Trypsin. *PloS Computational Biology*; 10(8): pp. 1-9.
- Jackson, C., Aabel, P., Eidet, J.R., Messelt, E.B., Lyberg, T., Unge, M.V., dan Utheim, T.P., 2014. Effect of Storage Temperature on Cultured Epidermal Cell Sheets Stored in Xenobiotic-Free Medium. *Plos One*; 9(8): pp. 1-9.
- Jones, J.E., Nelson, E.A. dan Al - Hity, A., 2013. Skin Grafting for Venous Leg Ulcers. *Cochrane Database of Systematic Reviews*; Issue 1: pp. 1465-1858.
- Kalus, A.A., Chien, A.J., dan Olerud, J.E., 2012. Diabetes Mellitus and Other Endocrine Disease. *Fitzpatrick's Dermatology in General Medicine*. s.l.:The McGraw-Hill Companies; pp. 1840-1869.
- Kanapathy, M., Hachach - Haram, N., Bystrzonowski, N., Harding, K., Mosahebi, A., dan Richards, T., 2016. Epidermal Grafting Versus Split-Thickness Skin Grafting for Wound Healing (EPIGRAAFT): Study Protocol for a Randomised Controlled Trial. *Trials*; 17(245): pp. 2-6.
- Kartika, R.W., 2015. Perawatan Luka Kronis dengan Modern Dressing. *Cermin Dunia Kedokteran* 230; 42(7): pp. 546-550.
- Kaur, P. dan Li, A., 2000. Adhesive Properties of Human Basal Epidermal Cells: An Analysis of Keratinocyte Stem Cells, Transit Amplifying Cells, and Postmitotic Differentiating Cells. *Journal of Investigative Dermatology*; 114(3): pp. 413-420.
- Khumairoh, I. dan Puspitasari, I. M., 2017. Kultur Sel. *Farmaka*; 14(2): pp. 98-110.

- Koutsopoulos, S., Patzsch, K., Bosker, W.T.E., dan Norde, W., 2007. Adsorption of Trypsin on Hydrophilic and Hydrophobic Surfaces. *American Chemical Society Journals*; 23(4): pp. 2000-2006.
- Kozier, B., Erb, G., Berman, A., dan Snyder, S., 2011. *Fundamental Keperawatan*. Ed. 7. Jakarta: EGC.
- Kusuma, I., dan Hadi, R.S., 2013. Geraniin Supplementation Increases Human Keratinocyte Proliferation in Serum-Free Culture. *Universa Medicina*; 32(1): pp. 3-10.
- Leigh, I.M. dan Watt, F.M., 1995. *Keratinocyte Methods*. Ed. 1. Cambridge: Cambridge University Press.
- Li, D., Peng, S., Zhang, Z., Feng, R., Li, L., Liang, J., Tai, S., dan Teng, C., 2013. Complete Disassociation of Adult Pancreas into Viable Single Cells Through Cold Trypsin-EDTA Digestion. *Journal of Zhejiang University Science B*; 14(7): pp. 596-603.
- Limat, A. dan Hunziker, T., 2002. Use of Epidermal Equivalents Generated from Follicular Outer Root Sheath Cells in Vitro and for Autologous Grafting of Chronic Wounds. *Cells Tissues Organs*; 172(2): pp. 79-85.
- Naves, C.C.L.M., 2016. The Diabetic Foot: A Historical Overview and Gaps in Current Treatment. *Advances in Wound Care*; 5(5): pp. 191-197.
- Noman, A., Xu, Y., Al - Bukhaiti, W.Q., Abed, S.M., Ali, A.H., Ramadhan, A.H., dan Xia, W., 2018. Influence of Enzymatic Hydrolysis Conditions on the Degree of Hydrolysis and Functional Properties of Protein Hydrolysate Obtained from Chinese Sturgeon (*Acipenser Sinensis*) by Using Papain Enzyme. *Process Biochemistry*; Volume 67: pp. 19-28.
- Marks, D.B., Marks, A.D., dan Smith, C.M., 2000. *Metabolisme Nitrogen*. Jakarta: EGC Penerbit Buku Kedokteran.
- Mcheik, J.N., Barrault, C., Pedretti, N., Garnier, J., Juchaux, F., Levard, G., Morel, F., Lecron, J.C., dan Bernard, F.X., 2016. Foreskin-Isolated Keratinocytes Provide Successful Extemporaneous Autologous Paediatric Skin Grafts. *Journal of Tissue Engineering and Regenerative Medicine*; 10(3): pp. 252-260.
- Mescher, A.L., 2011. *Kulit*. 12th penyunt. Jakarta: EGC Penerbit Buku Kedokteran.
- Mesquita, K.C., Igreja, A.C.S.M., dan Costa, I.M.C., 2013. Atopic Dermatitis and Vitamin D: Facts and Controversies. *Anais Brasileiros De Dermatologia*; 88(6): pp. 945-953.
- Mohamed, S.H., Mohamed, M.S.M., Khalil, M.S., Mohamed, W.S., dan Mabrouk, M.I., 2018. Antibiofilm Activity of Papain Enzyme Against Pathogenic *Klebsiella pneumoniae*. *Journal of Applied Pharmaceutical Science*; 8(6): pp. 163-168.
- Moisidis, E., Heath, T., Boorer, C., Ho, K., dan Deva, A.K., 2004. A Prospective, Blinded, Randomized, Controlled Clinical Trial of Topical Negative Pressure Use in Skin Grafting. *Plastic and Reconstructive Surgery*; 114(4): pp. 917-922.
- Mulyono, K.K., dan Sulistyowati, E., 2017. Pengaruh Penambahan ZnSO₄ Terhadap Aktivitas Enzim Tripsin. *Kimia Dasar*; 6(4): pp. 105-112.

- Nagori, B.P., dan Solanki, R., 2011. Role of Medicinal Plants in Wound Healing. *Medicinal Plant*; 5(4): pp. 392-405.
- Naves, C.C.L.M., 2016. The Diabetic Foot: A Historical Overview and Gaps in Current Treatment. *Advances in Wound Care*; 5(5): pp. 191-197.
- O'Meara, S.M., Cullum, N.A., Majid, M., dan Sheldon, T.A., 2001. Systematic Review of Antimicrobial Agents Used for Chronic Wounds. *The British Journal of Surgery*; 88(1): pp. 4-21.
- Orazizadeh, M., Hashemitabar, M., Bahramzadeh, S., Dehbashi, F.N., dan Saremy, S., 2015. Comparison of the Enzymatic and Explant Methods for the Culture of Keratinocytes Isolated from Human Foreskin. *Biomedical Reports*; 3(3): pp. 304-308.
- Poedjiadi, A., 1994. *Dasar-Dasar Biokimia*. Jakarta: Universitas Indonesia Press.
- Poedjiadi, A., dan Supriyanti, F.M., 2009. *Dasar-Dasar Biokimia*. Jakarta: UI Press.
- Rahim, O.I.S., Wangko, S., dan Kalangi, S.J.R., 2011. Mekanisme Kerja Sel Langerhans Sebagai Sel Penyaji Antigen. *Jurnal Biomedik*; 3(3): pp. 137-143.
- Rahmawati, L. dan Puspitasari, I.M., 2017. Teknik Pembuatan Kultur Sel Primer, Immortal Cell Line, dan Stem Cell. *Farmaka*; 14(2): pp. 195-206.
- Robinson, P.K., 2015. Enzymes: Principles and Biotechnological Applications. *Essays in Biochemistry*; 59: pp. 1-41.
- Rowe, V.L., 2018. *Diabetic Ulcers* [serial online]. Available from: URL: <https://www.medscape.com>. [Diakses 28 Agustus 2018].
- Santoso, I.D., Nilasari, H., dan Yusharyahya, S.N., 2017. Venous Ulcer. *General Procedural Dermatology and Venereology Indonesia*; 2(2): pp. 64-76.
- Schreml, S., Szeimies, R.M., Prantl, L., Landthaler, M., dan Babilas, P., 2010. Wound Healing in the 21st Century. *Journal of the American Academy of Dermatology*; 63(5): pp. 866-881.
- Seaf, M., Ben – Zimra, M., Mankuta, D., Dayan, N., Levi – Schaffer, F., 2016. Papain Activates Human Mast Cells to Release Proinflammatory Mediators via its Enzymatic Activity. *The journal of investigative dermatology*; 136(7): pp. 1523-1525.
- Serra, R., Rizzuto, A., Rossi, A., Perri, P., Barbetta, A., Abdalla, K., Caroleo, S., Longo, C., Amantea, B., Sammarco, G., dan de Franciscis, S., 2016. Skin Grafting for the Treatment of Chronic Leg Ulcers – a Systematic Review in Evidence-Based Medicine. *International Wound Journal*; 14(1): pp. 149-157.
- Siahaan, M.S.Y., Pangkahila, W., dan Aman, I., 2017. Gel Ekstrak Daun Meniran (*Phyllanthus niruri*) Meningkatkan Epitelisasi Penyembuhan Luka pada Kulit Tikus Putih Jantan Galur Wistar (*Rattus norvegicus*). *Biomedik*; 9(1): pp. 14-18.
- Stremnitzer, C., Szalai, K.M., Willensdorfer, A., Starkl, P., Pieper, M., Konig, P., Mildner, M., Tschachler, E., Reichart, U., dan Jensen - Jarolim, E., 2015. Papain Degrades Tight Junction Proteins of Human Keratinocytes In Vitro and Sensitizes C57BL/6 Mice via the Skin Independent of its Enzymatic

- Activity or TLR4 Activation. *Investigative Dermatology*; 135(7): pp. 1790-1800.
- Sularsito, S.A., 2009. Ulkus Kruris. Dalam: A. Djuanda, M. Hamzah & S. Aisah, penyunt. *Ilmu Penyakit Kulit dan Kelamin*. Jakarta: Balai Penerbit FKUI; pp. 245-252.
- Sulistiyowati, D.A., 2015. Efektivitas Elevasi Ekstremitas Bawah Terhadap Proses Penyembuhan Ulkus Diabetik di Ruang Melati I RSUP DR. Moewardi Tahun 2014. *Kosala*; 3(1): pp. 83-88.
- Supranto, J., 2000. *Teknik Sampling untuk Survei dan Eksperimen*. Jakarta: PT Rineka Cipta.
- Suriadi, 2016. Basis Bukti Penyembuhan Luka: Implementasi Dalam Praktik Klinik. *Jurnal Luka Indonesia*; 2(2): pp. 91.
- Tsamali M., Ancans J., dan Thody A.J., 2002. Melanocyte function and its control by melanocortin peptides. *The Journal of Histochemistry and Cytochemistry*; 50(2): pp. 125-133.
- Valencia, I.C., Falabella, A., Kirsner, R.S., dan Eaglstein, W.H., 2001. Chronic Venous Insufficiency and Venous Leg Ulceration. *American Academy of Dermatology*; 44(3): pp. 401-424.
- Vasudevan, B., 2014. Venous leg ulcers: Pathophysiology and Classification. *Indian Dermatology Online Journal*; 5(3): pp. 366-370.
- Wax, M.K., 2017. *Split-Thickness Skin Grafts* [serial online]. Available from: URL: <https://www.medscape.com>. [Diakses 25 July 2018].
- Wirohadidjojo, Y.W., 2012. Biakan Primer Keratinosit dari Kulit Manusia dan Penyusunan Kulit Ekuivalen. *Media Dermato-Venereologica Indonesiana*; 39(3): pp. 141-148.
- World Health Organization., 2018. *Obesity and Overweight*. [serial online]. Available from: URL: <http://www.who.int>. [Diakses 25 Desember 2018].
- Ye, J., Xie, T., Wu, M., Ni, P., dan Lu, S., 2015. Negative Pressure Wound Therapy Applied Before and After Split-Thickness Skin Graft Helps Healing of Fournier Gangrene. *Medicine*; 94(5): pp. 1-4.
- Zhu, M. C., Ma, H.Y., Zhan, Z., Liu, C.G., Luo, W., dan Zhao, G., 2017. Detection of Auto Antibodies and Transplantation of Cultured Autologous Melanocytes for the Treatment of Vitiligo. *Experimental and Therapeutic Medicine*; 13(1): pp. 23-28.