

## DAFTAR PUSTAKA

- Adriani, W.P., Idha, A., Nurul, H.W., Dian, N.S, Ike, P.A.P., Erlina, S.M., 2012, Uji Pemanfaatan Daun Binahong (*Anredera cardifolia (Tenore) Steenis*) Pada Gingiva Tikus Wistar Melalui Pengamatan Kepadatan Serabut Kolagen dan Ketebalan Epitel, *IDJ*, 1(2): 10-11
- Amri, K. dan Khairuman, 2008, *Budidaya Ikan Nila Secara Intensif*. PT. Agromedia Pustaka, Jakarta
- Andreasen, J.O., Andreasen, F.M., Andreasson, L., 2007, *Textbook and Color Atlas of Traumatic Injuries to The Teeth*, Blackwell Munksgard, Denmark, hal 6-43
- Aukhil, I., 2000, Biology Of Wound Healing, *Periodontologi*, 22:127-152
- Bernstein, E.F., Mauviel, A., McGrath, J.A., Bolten, L.L., Frank, T., Uitto, J., 1996, *Wound Healing*, Mc Graw-Hill, New York, hal 1-22.
- Brett, D., 2008, A Review of Collagen and Collagen-based Wound Dressing, *Wound*, 20(12):347-53
- Broughton, G., Janis, J.E. dan Attinger, C.E., 2006, *Wound healing: An Overview*, *June Supplement*, 117: 1-32
- Cimaz, R., 2002, Safety and Efficacy of Aloclair™ Gel in the treatment of Oral Aphthous Lesions in Children: Preliminary Findings from an Open Pilot Study, *Aloclair Gel Trial*, 1-6
- Cohen, I.K., Diegelmann, R.F., Yager, D.R., Wornum, I.L., Graham, M., Crossland, M.C, 1999, *Wound care and wound healing* Dalam: Schwartz SI, Spencer S, Fischer D, Galloway, penyunting. Principles of surgery., Edisi ke-7, McGraw-Hill, New York, hal 263-96.
- Cole, L., Heard, C., 2007, Skin Permeation Enhancement Potential of Aloe vera and a Proposed Mechanism of Action Based Upon Size Exclusion and Pull Effect, *Intern J Pharmaceutics*, 333:10-6.
- Cotran, R.S., Kumar, V., Collins, T., 1999, *Pathology basic of disease*, Edisi ke-6, WB Saunders Co, Philadelphia, hal 21-201
- Cutting, K.F., 2003, Wound Healing, Bacteria and Topical Therapies, *EWMA Journal*, 3(1): 17-20
- Depkes RI., 2009, *Farmacope Indonesia*, edisi ke-4, Depatemen Kesehatan RI, Jakarta

- Ellis, J.B. dan Schor, S.L., 1997, Differential Response of Fetal and Adult Fibroblast to Cytokines: Cell Migration and Hyaluronan Synthesis, *Development*, 124(8): 1593-1600
- Falanga, V., 2003, *Mechanisms of cutaneous wound repair Dalam: Freedberg IM, Wolff K, Eisen AZ, et al, editor. Fitzpatrick's Dermatology In General Medicine*, Edisi ke-6, McGraw-Hill, New York, hal 236-46.
- Furnawathi, I., 2006, *Khasiat dan Manfaat Lidah Buaya Si Tanaman Ajaib*, Edisi ke-7, AgroMedia Pustaka, Jakarta, hal 11
- Ganiswarna, Setiabudy, Suyatna, Purwastyastuti dan Nafrialdi, 1998, *Farmakologi dan Terapi*, Edisi ke-4, Universitas Indonesia Fakultas Kedokteran, Jakarta, hal 218
- Guo, S., dan Dipietro, L.A., 2010, Factor Affecting Wound Healing, *J Dent Res*, 89(3):219-229
- Gurtner, G.C., 2007, *Wound healing: normal and abnormal. In: Thorne CH, Beasley RW, Aston SJ, Barlett SP, Gurtner GC, Spear SL, editors. Grabb and Smith's plastic surgery*, Edisi ke-6., Lippincott Williams & Wilkins, Philadelphia: hal 15-22
- Hakkinen, L., Uitto, V.J. dan Larjava, H., 2000, Cell Biology of Wound Healing, *Periodontology*, 24:127-52
- Harding, K.G., Morris, H.L., Patel, G.K., 2002, Healing chronic wounds, *BMJ*, 321:160-3.
- Harrison, J.W., 1991, Healing of Surgical Wound in Oral Mucoperiosteal Tissue, *J.Endod*, 17(8):401-8.
- Hess, C.T., 2005, *Clinical Guide: Wound Care*, Edisi ke-5, Lippincott Williams & Wilkins, USA, hal 8-10
- Imaniyah, F., Budi, Y. dan Dwi, M.C.R., 2013, Efek Pemberian Kurkumin terhadap Jumlah Sel Fibroblas pada Soket Gigi Tikus Pasca Pencabutan, *Artikel Ilmiah Hasil Penelitian Mahasiswa 2013*, hal 2-3
- Iwan, J dan Nur, A., 2010, Perbandingan pemberian topikal aqueous leaf extract of *Carica papaya* (ALEC) dan madu khaula terhadap percepatan penyembuhan luka sayat pada kulit mencit (*Mus musculus*), *Majalah Kedokteran Bandung*, 42 (2): 77
- Jensen, S.C. dan Peppers, M.P., 2006, *Pharmacology and Drug Administration for Imaging Technologist*, Edisi ke-2, Elsevier, Philadelphia, hal 102-103

- Kierman, J.A., 2008, *Histological and Histochemical Methods : Theory and Practice*, Edisi ke-4, hal : 156-58
- Krinke, G. J., 2000, *The Laboratory Rat*, CA: Academic Press, San Diego, hal 150-152
- Mackay, D., dan Miller, A.L., 2003, Nutritional Support For Wound Healing , *Alternative Medicine Review*, (8):359-377
- Miles, A.E.W. dan Grigson, C., 2003, *Coleyer's Variations and Disease of The Teeth of The Animals*, Cambridge University Press, Australia, hal 135
- Myers, W.T., Leong, M, Phillips, L.G., 2007, Optimizing the patient for surgical treatment of the wound, *Clin Plast Surg*, 34(4): 607-20.
- Nagai, T.M., Izumi dan M., Ishii, 2004, Fish Scale Collagen Preparation and Partial Characterization, *International Journal of Food Science and Technology*, 39:239-244
- Ni Y, Turner D., Yates, K.M., Tizard I., 2004, Isolation and characterization of structural components of Aloe vera (L. leaf pulp). *Int Immunopharmacol*.20, 4(14):1745-55.
- Nurhayati, Tazwir dan Murniyati, 2013, Ekstraksi dan Karakterisasi Kolagen Larut Asam Dari Kulit ikan Nila (*Oreochromis niloticus*), *Jurnal Perikanan*, 8(1):85-92
- Nursal, F.K., Onny, I., Lida, A.D., 2010, Penggunaan CMC-Na Sebagai Gelling Agent Dalam Formula Pasta Gigi Ekstrak Etanol 70% Daun Jambu Biji (*Psidium guajava* L), *Farmasains*, 1(1): 45-46
- Polimeni, G., Xiropaidis, A.V. dan Wikesjo, U.M.E, 2006, Biology and Principal of Periodontal Wound Healing/Regeneration, *Periodontology* 2000, 41:30-47
- Prabakti, Y., 2005, Perbedaan Jumlah Fibroblas di Sekitar Luka Insisi Pada Tikus Wistar Yang Diberi Infiltrasi Penghilang Nyeri Levobupivakain Dan Yang Tidak diberi Levobupivakain, *Tesis*, Universitas Diponegoro, Semarang, hal 12-13
- Prasetyono, Theddeus, O.H, 2009, General Concept of Wound Healing, Revisited., *Med J Indones*, 18(3) : 207-209
- Putra, N.A.B., Suhubawa, L. dan Ekantari, N., 2013, Ekstraksi dan Karakterisasi Kolagen dari Kulit Ikan Nila Hitam (*Oreochromis niloticus*), *JPB Perikanan*, 8(2): 171-180
- Rangraj, A., Keith, H., dan David, L., 2011, Role of Collagen in Wound Management, *Wound*, 7(2) : 54-55

- Rhadiyah dan Sulistyawati, 2011, Pengaruh Ekstrak Minyak Biji Bunga Matahari (*Helianthus annuus*) terhadap Proses Awal Penyembuhan Luka, *Seminar Nasional IX Pendidikan Biologi*, FKIP UNS, hal 706-711
- Rinastiti, M., 2003, Pengaruh Membran Amnion Terhadap Jumlah Sel fibroblas Pada Proses Penyembuhan Luka (Kajian Histologis pada Gingiva Kelinci), *Temu Ilmiah KPPIKG XIII*, hal 642
- Rismana, E., Idah, R., Prasetyawan, Y., 2013, Efektifitas Khasiat Pengobatan Luka Bakar Sediaan Gel Mengandung Fraksi Ekstrak Pegagan Berdasarkan Analisis Hidroksiprolin dan Histopatologi Pada Kulit Kelinci, *Buletin Penelitian Kesehatan*, 41(1): 45-60
- Sjamsuhidayat, R. dan Wim, D.J., 2010, *Buku Ajar Ilmu Bedah.*, Edisi ke-3, EGC, Jakarta hal : 95-12.
- Surjushe, A., 2008, *Aloe vera : A Short Review*, *Indian Journal of Dermatology*, (4):53
- Suryadi, 2004, *Fisiologi Penyembuhan Luka & Faktor yang Mempengaruhi Penyembuhan Luka Dalam :Perawatan Luka* Edisi I, Sagung Seto, Jakarta, hal 7-16
- Suryono, 2014, *Bedah Dasar Periodonsia*, Deepublish, Yogyakarta, hal 40
- Suyanto, R, 2002, *Nila*. Penebar Swadaya, Jakarta.hal 5
- Triyono, B., 2005, Perbedaan Tampilan Kolagen di Sekitar Luka Insisi Pada Tikus Wistar Yang Diberi Infiltrasi Penghilang Nyeri Levobupivakain Dan Yang Tidak diberi Levobupivakain, *Tesis*, Universitas Diponegoro, Semarang, hal 24
- Ueno, C., Hunt, T.K., Hopf, H.W., 2006, Using Physiology to Improve Surgical Wound outcomes, *Plast Reconstr Surg.*; 117(Suppl): 59-71.
- Wiksmann, L.B., Solomonik, I, Spira, R, Tennenbaum, T., 2007, Novel Insights Into Wound Healing Sequence of Events, *Toxicologic Pathol*, 35:767-79
- Wong, J.W, Gallant, B.C., Wiebe, C., Mak, K., Hart, D.A., Larjava, H. dan Hakkinen, L. ,2009, Wound healing in oral Mucosa Result in Reduce Scar Formation as Compared With Skin: Evidence From The Red Duroc Pig Model and Humans, *Wound Repair Regen*, 17(5):717-729
- Zhou, T., Wang, N., Xue, Y., Ding, T., Liu, X., Mo, X., Sun, J., 2015, Development of Biomimetic Tilapia Collagen Nanofibers for Skin Regeneration Through Inducing Keratinocytes Differentiation and Collagen Synthesis of Dermal Fibroblast, *ACS Appl.Mater.Interfaces*, 7(5):3253-32



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**PENGARUH APLIKASI GEL EKSTRAK KOLAGEN KULIT IKAN NILA HITAM (*Oreochromis niloticus*)  
10% TERHADAP  
PROLIFERASI FIBROBLAS PADA PENYEMBUHAN LUKA GINGIVA (KAJIAN PADA *Rattus  
norvegicus*)**

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