

**DAFTAR PUSTAKA**

- Ahmad, Z. and Damayanti (2018) 'Penuaan Kulit : Patofisiologi dan Manifestasi Klinis', *Berkala Ilmu Kesehatan Kulit dan Kelamin – Periodical of Dermatology and Venereology*, 30(03), pp. 208–215. Available at: [http://download.garuda.ristekdikti.go.id/article.phparticle=850430&val=7405&title=Penuaan Kulit: Patofisiologi dan Manifestasi Klinis](http://download.garuda.ristekdikti.go.id/article.phparticle=850430&val=7405&title=Penuaan%20Kulit:%20Patofisiologi%20dan%20Manifestasi%20Klinis).
- Al-Mustafa A, Mohammad Al.T, Mohammed Sharif Al.S, Fatema Attia Al.Z (2021) 'Analisis fitokimia, antioksidan dan aktivitas penghambatan  $\beta$ -galaktosidase in vitro dari ekstrak metanol *Juniperus phoenicea* dan *Calicotome villosa*', *Kimia BMC*.
- Aprilia, Y.R. and Hadi, R.S. (2018) 'Pengaruh Madu terhadap Migrasi dan Diferensiasi Sel Human Dermal Fibroblast ( HDF ) sebagai Model Uji Luka In Vitro The Effect of Honey Supplementation on Human Dermal Fibroblast ( HDF ) Migration and Differentiation in a Model of Wound-healing in Vitro', 10(2), pp. 71–77.
- Batra P, Sharma AK. Anti-cancer potential of favonoids: Recent trends and future perspectives. *3 Biotech*. 2013;3(6):439–59. doi:10.1007/s13205-013-0117-5
- Bhavani, P., Thampatty., dan Wang, J.H.C. 2007. A new approach to study fiboblast migration. *Cell Motility and the Cytoskeleton*, vol.64, pp.1–5.
- Bigliardi, P. L., Neumann, C., Teo, Y. L., Pant, A., Bigliardi-Qi, M. 2015. Activation of the  $\delta$ -opioid Receptor Promotes Cutaneous Wound Healing by Affecting Keratinocyte Intercellular Adhesion and Migration. *British Journal of Pharmacology*, vol.172, no 2, pp.501-4.
- Blagosklonny, MV 2014. Geroconversion: Langkah ireversibel menuju penuaan seluler. *Siklus Sel* 13(23): 3628-3635.

- Boye A., Acheampong D.O., Gyamerah E.O., Asiamah E.A., Addo J.K., Mensah D.A., Brah A.S.&Ayiku P.J. (2020). Glucose lowering and pancreato-protective effects of *Abrus Precatorius* (L.) leaf extract in normoglycemic and STZ/nicotinamide –induced diabetic rats. *Journal of Ethnopharmacology* 258 (112918): 1-14
- Boye A., Barku V.Y.A., Acheampong D.O.& Ofori E.G. (2021). *Abrus precatorius* leaf extract reverses alloxan/nicotinamide-induced diabetes mellitus in rats through hormonal (insulin, GLP-1, and glucagon) and enzymatic ( $\alpha$ -amylase/ $\alpha$ -glucosidase) modulation. *BioMed Research International* 2021 (9920826): 1-17.
- Britto *et al.* (2012). *School Readines: a conceptual framework*. New York: United Nations Children’s Fund (UNICEF).
- Crendhuty, F.D. and Megantara, S. (2019) ‘Sediaan Hidrogel Mengandung Epidermal Growth Factor dalam Penyembuhan Luka’, *Farmaka*, 17(2), pp. 410–416.
- Gede Wirata. 2019. *Penuaan Pada Sistem Muskuloskeletal*. Skripsi.
- Gualda EG *et al.* (2020) ‘Panduan untuk menilai penuaan sel *in vitro* dan *in vivo*’, *The FEBS Journal*, 15(5), pp. 36 - 40.
- Gul et al. 2013. Women Facing Heavy Vaginal Discharge (Leucorrhea) by Virtue of Unhealthy Life Style. *International Research Journal of Pharmacy*, 4(1), 258–261.
- Hadi, R.S. and Sandra, Y. (2020) ‘Pengaruh Glukosa Tinggi terhadap Proliferasi , Migrasi dan Ekspresi Gen OCT-4 pada Kultur Sel Dermal Fibroblast Manusia’, *Majalah Kesehatan PharmaMedika*, 12(1), pp. 32–38.
- Harjana, T. 2011. *Kajian Tentang Potensi Bahan-Bahan Alami Untuk Menurunkan Kadar Kolesterol Darah*. Universitas Negeri Yogyakarta, Yogyakarta.
- Jenkins G. Molecular mechanisms of skin ageing. *Mech Ageing Dev* 2002;123:801-10.

- Khumairoh, I., Puspitasari, I.M. and Raya Bandung-Sumedang km, J. (2016) 'Farmaka KULTUR SEL', 14, pp. 98–110.
- Laut, M. *et al.* (2019) 'Efektivitas Pemberian Salep Ekstrak Etanol Daun Anting-anting (*Acalypha indica* Linn.) terhadap Kesembuhan Luka Insisi pada Mencit (*Mus musculus*)', *Jurnal Kajian Veteriner*, 7(1), pp. 1–11. Available at: <https://doi.org/10.35508/jkv.v7i1.01>.
- Lawler. (2002). *Buku Pintar Patologi Untuk Kedokteran Gigi*. Alih bahasa drg. Agus Djaja. Jakarta: EGC.
- Makpol, S., Yeoh, TW, Ruslam, FAC, Arifin, KT & Yusof, YAM 2013. Efek komparatif Piper betle, *Chlorella vul garis* dan fraksi kaya tocotrienol pada aktivitas enzim antioksidan dalam penuaan sel fibroblas diploid manusia. *Pengobatan Pelengkap dan Alternatif BMC* 13(1): 210.
- Misrahanum, M., Puteri, C.I.A. and Yulvizar, C. (2017) 'ACTIVITY TEST OF *Abrus precatorius* L. LEAF EXTRACT AGAINST CLINICAL STREPTOCOCCUS PNEUMONIA GROWTH\*', *Jurnal Natural*, 17(1), p. 58. doi:10.24815/jn.v17i1.7260.
- Moerfiah and Supomo, F.D.S. (2011) 'Pengaruh Ekstrak Daun Sirih Merah (*Piper cf. fragile* Benth.) Terhadap Bakteri Penyebab Sakit Gigi', *Ekologia*, 11(1), pp. 30–35.
- Mohan H. Inflammation and healing. In: *Textbook of Pathology* (5th ed), ISBN:81-8061-368-2. New Delhi: Jaypee Brothers, 2005; p. 133-79.
- Mohammed Hussain, S. *et al.* (2016) 'Computational approach for the evaluation of Bioactive compounds from ethnobotanicals for their pharmacological potential and biological activity', *Www.Wjpps.Com*, 5(12), pp. 1042–1056. doi:10.20959/wjpps201612.
- Muralidhar A, Babu KS, Sankar TR, Reddanna P, Latha J. Wound healing activity of flavonoid fraction isolated from the stem bark of *Butea monosperma* (Lam) in albino wistar rats. *Eur J Experimental Biol*. 2013; 3(6):1-6.
- Nurulita, N.A. *et al.* (2019) 'Uji Aktivitas Antioksidan dan Anti-aging Body Butter dengan Bahan Aktif Ekstrak Daun Kelor ( Antioxidant and Anti-aging activity of Moringa Leaves Extract Body Butter )', *Jurnal Ilmu Kefarmasian Indonesia*, 17(1), pp. 1–8.

- Priadi, G., Setiyoningrum, F. and Afiati, F. (2018) 'Enzim  $\beta$ -galaktosidase dari *Leuconostoc mesenteroides* indigenus: ekstraksi, purifikasi parsial dan karakterisasi', *Prosiding Seminar Nasional Masyarakat Biodiversitas Indonesia*, 4(2), pp. 184–189. doi:10.13057/psnmbi/m040215.
- Rahmawati, A. and Muti'ah, R. (2014) 'Potensi Ekstrak Daun Widuri (*Calotropis gigantea*) sebagai Obat Antikanker Fibrosarkoma', *Jurnal Siklus Pada Sel*, 1(1), pp. 1–26.
- Robbins. 2007. Buku Ajar patologi Robbins Ed.7, Vol.1. Alih bahasa oleh Awal Prasetyo dkk. 2007. Jakarta: EGC.
- Rosada, A., Mujayanto, R. and Poetri, A.R. (2020) 'Ekstrak Daun Salam Dalam Meningkatkan Ekspresi Fibroblast Growth Factor Pada Ulkus Traumatik Rongga Mulut', *ODONTO: Dental Journal*, 7(2), p. 90. Available at: <https://doi.org/10.30659/odj.7.2.90-96>.
- Sadowska-Bartosz I, Bartosz G. (2020). Effect of antioxidants on the fibroblast replicative lifespan in vitro. *Oxidative Medicine and Cellular Longevity*. Volume 2020, Article ID 6423783. <https://doi.org/10.1155/2020/6423783>
- Sunarno (2016) 'Ilmu penuaan', p. 1.
- Taur D.J., Patil R.N.&Patil R.Y. (2017). Antiasthmatic related properties of *abrus precatorius* leaves on various models. *Journal of Traditional and Complementary Medicine*7(4):428-432.
- Tiana M., Anisa A., Zakiatun A.A., Yuni E.H., Vesara A.G (2021). Efek Ekstrak Angkak dalam Menghambat Proliferasi Sel Kanker Prostat dan Payudara, *Jurnal Farmasi Klinik Indonesia*. Fakultas Farmasi, Universitas Padjadjaran, Sumedang, Indonesia. Vol. 10 No. 2, Hal. 119–126.
- Wahyuningsih, I. 2006. Uji Aktivitas Antibakteri Ekstrak Etanol Daun Saga Terhadap *Staphylococcus aureus* dan *E. Coli* Serta Profil KLT. *Jurnal Ilmiah. Skripsi*, Fakultas Farmasi, Universitas Muhammadiyah Surakarta, Surakarta. Vol. 2 No. 2, Hal. 11-22.

- Wangko, S. and Karundeng, R. (2014) 'Komponen Sel Jaringan Ikat', *Jurnal Biomedik (Jbm)*, 6(3), pp. 1–7. doi:10.35790/jbm.6.3.2014.6327.
- Wey SJ, Chen DY. Common cutaneous disorders in the elderly. *J Clin Gerontol Geriatr* 2010;1:36-41.
- Yusheng Cai<sup>1</sup>, Huanhuan Zhou<sup>1,2</sup>, Yinhua Zhu<sup>3,4</sup>, Qi Sun<sup>1</sup>, Yin Ji<sup>1</sup>, Anqi Xue<sup>1</sup>, Yuting Wang<sup>1</sup>, Wenhan Chen<sup>1</sup>, Xiaojie Yu<sup>1</sup>, Longteng Wang<sup>5</sup>, Han Chen<sup>4</sup>, Cheng Li<sup>6</sup>, Tuoping Luo<sup>3,4</sup> and Hongkui Deng<sup>1,2</sup>. Elimination of senescent cells by  $\beta$ -galactosidase-targeted prodrug attenuates inflammation and restores physical function in aged mice, Springer Nature. 2020. 30:574–589.
- Yusuf, H.. (1999) 'Peran Gen p53 dan Regulasi Apoptosis Pada Perkembangan Kanker, Khususnya Karsinoma Kepala dan Leher', *Jurnal Kedokteran Gigi Universitas Indonesia*, pp. 44–49.
- Zhang S, Duan E. Fighting against skin aging : the way from bench to bedside. *Cell Transplantation*. 2018. 27(5): 729– 738.