

DAFTAR PUSTAKA

- Andriani, R, Malaka, M, Jubir, I, Aspadiah, V, & Fristiohady, A. 2021. Journal review: utilization the ethosome as a pharmaceutical *patch*. *Farmasains*. 8(1):45-57.
- Altememy, D, Javdani, M, Khosravian, P, Khosravi, A, & Khorasgani, E M. 2022. Preparation of Transdermal *Patch* Containing Selenium Nanoparticles Loaded with Doxycycline and Evaluation of Skin Wound Healing in a Rat Model. *Pharmaceuticals*. 15(11):1-18.
- Apriani, E. F., Miksusanti, M, & Fransiska, n. 2022. Formulation and optimization peel-off gel mask with polyvinyl alcohol and gelatin based using *factorial design* from banana peel flour (*Musa paradisiaca* L) as antioxidant. *Indonesian Journal of Pharmacy*. 33(2):261-268.
- Auliya, S, Ega, S, Darma, E. 2019. Formulasi *patch* transdermal natrium diklofenak tipe matriks dengan kombinasi polimer HPMC dan kitosan serta peningkat penetrasi transcutol. *Prosiding Farmasi*. 5(2):223-240.
- Aziz, A & Aziz, S. 2018. Application of box behnken design to optimize the parameters for kenaf-epoxy as *noise* absorber. *IOP Conference Series: Materials Science and Engineering*. 454:1-10.
- Baharudin, A & Maesaroh, I. 2020. Formulasi sediaan *patch* transdermal ekstrakbnggol pohon pisang ambon (*Musa paradisiaca* var. *sapientum*) untuk penyembuhan luka sayat. *HERBAPHARMA: Journal of Herb Pharmacological*. 2 (2):55-62.

- Figueiredo, D, Junior, S, Rocha, E. 2011. What is R2 all about?. *Leviatan-Cadernos de Pesquisa Polutica*. 3:60-68.
- Fuziyanti, N, Najihudin, A, & Hindun, S. 2022. Pengaruh Kombinasi Polimer PVP:EC dan HPMC:EC terhadap Transdermal pada Karakteristik *Patch* yang Baik: Review. *Pharmaceutical Journal of Indonesia*. 7(2):147-152.
- Gondokesumo, M E, Sumitro, S B, Handono, K, Pardjianto, B, Widowatis, W, & Utomo, D K. 2020. A Computational Study to Predict Wound Healing Agents from the Peel of the Mangosteen (*Garcinia mangostana* L.) Extract. *Int. J. Bioautomation*.24(3):265-276.
- Hanbali, O, Khan, H, Sarfraz, M, Arafat, M, Ijaz, S, & Hameed, A. 2019. Transdermal *patches*: Design and current approaches to painless drug delivery. *Acta Pharm*. 69(2):197-215.
- Ismiyati, N. 2019. Formulasi dan uji sifat fisik *patch* transdermal ekstrak etanol daun binahong dengan matriks HPMC-PVP. *Jurnal Ilmu Kesehatan Bhakti Setya Medika*. 4:29-35.
- Khumsupan, P, & Gritsanapan, W. 2013. Selected Thai Medicinal Plant For The Treatment Of Acne: *Garcinia mangostana* Linn. In M. L. Elsaie (Ed.), Acne: Etiology, treatment Options And Social Effects. *Nova Science Publishers*.51-60.
- Kolimi, P, Narala, S, Youssef, A, Nyavanandi, D, & Dudhipala, N. 2023. A systemic review on development of mesoporous nanoparticles as a vehicle for transdermal drug delivery. *Nanotheranostics*. 7(1):70-89.
- Lane, M E. 2013. Skin *Penetration Enhancers*. *Int. J. Pharm*. 12-21.

- Latif, M, Azad A.K, Nawaz, A, dan Rashid, S. 2021. Ethyl cellulose and hydroxypropyl methyl cellulose blended methotrexate-loaded transdermal patches:in vitro and ex vivo. *Polymers*.13:3455.
- Lestari, D, Sari, R P, Musfiroh, I, Megantara, S, Praceka, M S, Ikram, N K, & Muchtaridi. 2022. Interactions of Xanton Compounds From The Mangosteen (*Garcinia mangostana* L.) Pericarps Against INOS, COX-1, and COX-2 Enzyme Receptors as Anti-Inflammatory. *International Journal of Applied Pharmaceutics*. 15(1):186-194.
- Mierza, V, Sakinah, I V, Iskandar, P M, Irwansyah, S L, Aisiyah, A, & Nailuvar, R. 2022. Standarisasi Senyawa Alfa Mangostin. *Journal of Pharmacy, Medical, and Health Science*. 3(2):2746-4199.
- Misnamayanti, Sugihartono, H, & Fauziyah, B. 2019. Pengaruh Konsentrasi Propilen Glikol Sebagai *Enhancer* Terhadap Sediaan Transdermal Patch Ibuprofen *In Vitro*. *J. Islamic Pharm*. 4(2):27-31.
- National Center For Biotechnology Information. 2017. Alpha Mangostin.
- Parhi, R. 2020. Drug Delivery Applications of Chitin And Chitosan: A Review. *Environmental Chemistry Letters*. 18:577-594.
- Pratiwi, G, Martien, R, & Murwanti, R. 2019. Chitosan nanoparticle as a delivery system for poluphenols from meniran extract (*Phyllanthus niruri* L.): Formulation, optimization, and immunomodulatory activity. *International Journal of Applied Pharmaceutics*. 11(2):50-58.
- Pratiwi, G, Susanti, S, & Shiyan, S. 2020. Application of *factorial design* for optimization of pvc-hpmc polymers in matrix film ibuprofen *patch-*

- transdermal drug delivery system. *Indonesian Journal of Chemometrics and Pharmaceutical Analysis*. 1(1):11-22.
- Putri, I P. 2015. Effectivity of xanton of mangosteen (*Garcinia mangostana* L.) rind as anticancer. *J Major*. 4(33):33-41.
- Putri, N R, Nessa, Ramadhana, Y, Epi, S G, & Purnama, N D. 2021. Formulation of Gel from Corn Silk Extract (*Stigma maydis*) and Burns Healing Activity', *Journal of Agromedicine and Medical Sciences*. 7(2):72-78.
- Rajput, S P, Khalse, R B, Tapadiya, G G, & Rajput, P G. 2022. Formulation and Evaluation of Herbal Transdermal *Patches* in Treatment of Wound Healing. *International Journal of Scientific Development and Research*. 7(9):675-701.
- Safaruddin, Arum, M, Wahyuningsih, S, & Amin, R. 2022. Effectiveness Test of Transdermal *Patch* of Ethanol Extract of Javanese Bark (*Lanea Coromandelica* (Houtt.) Merr) Against Cuts in Male Rats (*Rattus Novergicus*). *Jurnal Multidisiplin Madani*. 2(2):1001-1018.
- Sari, V. 2023. Morfologi Akar Manggis (*Garcinia mangostana* L.) Asal Pulau Bengkalis Yang Mampu Tumbuh Di Daerah Tergenang. *Matrik Serial Teknologi Dan Sains*. 4(1):2774-2989.
- Setyawan, E I, Pratama, P Y A, & Budiputra, D K. 2015. Optimasi Formula Matriks *Patch* Ketoprofen Transdermal Menggunakan Kombinasi asam Oleat dan Minyak Atsiri bunga cempaka Putih (*Michelia alba*) Sebagai Permeation *Enhancer*. Universitas Udayana. 37-44.
- Sugihartini, N & Wiradhika, R Y. 2017. Gel Formulation of Ethanol Extract of Mangosteen Peel (*Garcinia mangostana* L.) as A Medication for Burns in Wistar Rats. *Jurnal Kedokteran dan Kesehatan Indonesia*. 8(2):110-117.

- Suksaeree, J, Monton, C, Madaka, F, Chusut, T, Saingam, W, Pichayakorn, W, & Boonme, P. 2014. Formulation, physicochemical characterization, and in vitro study of chitosan/HPMC blends-based herbal blended *patches*. *AAPS PharmSciTech*. 82(4):1520-9932.
- Wathoni, N, Sari, D, Suharyani, I, Motoyama, K, Mohammed, A, Cahyanto, A, Abdassah, M, & Muchtaridi, M. 2020. Enhancement of a-mangostin wound healing ability by complexation with 2-hydroxypropyl- β -cyclodextrin in hydrogel formulation. *Pharmaceuticals (Basel)*. 13(10):290.
- Yadav, P & Rastogi, V. 2019. Transdermal drug delivery system: an overview. *Asian Journal Of Pharmaceutics*. 6(3):161-170.