

DAFTAR PUSTAKA

- A. A. El-Raghi, M. A. E. Hassan, N. M. Hashem, and S. A. Abdelnour, "Struggling Thermal Stress Impacts on Growth Performance and Health Status of Newly Weaned Rabbits Using Nanoemulsion of Origanum majorana Considering the Economic Efficiency of Supplementation," *Animals*, vol. 13, no. 11, Jun. 2023, doi: 10.3390/ani13111772.
- Abramson, A., Caffarel-Salvador, E., Soares, V., Minahan, D., Tian, R.Y., Lu, X., Dellal, D., Gao, Y., Kim, S., Wainer, J., Collins, J., Tamang, S., Hayward, A., Yoshitake, T., Lee, H.C., Fujimoto, J., Fels, J., Frederiksen, M.R., Rahbek, U. dan Traverso, G. 2019. A luminal unfolding microneedle injector for oral delivery of macromolecules. *Nature Medicine*. 25 (10): 1512–1518.
- Aldawsari, M. F., Khafagy, E.S., Moglad, E.H. dan Lila, S. A. A. 2023. Formulation optimization, in vitro and in vivo evaluation of niosomal nanocarriers for enhanced topical delivery of cetirizine. *Saudi Pharm. J*. 31 (9): 1-12.
- Ananda, P. W. R., Elim, D., Zaman, H. S., Muslimin, W., Tunggang, M. G. R. dan Permana, A. D. 2021. Combination of transdermal patches and solid microneedles for improved transdermal delivery of primaquine. *International Journal of Pharmaceutics*. 609. 121204.
- C. Human, D. De Beer, S. Bowles, and E. Joubert, "Effect of electrospraying conditions on the properties of aspalathin-Eudragit S100 nanoparticles and assessment of orogastrintestinal stability and membrane permeability," *Food Front*, vol. 3, no. 2, pp. 285–299, Jun. 2022, doi: 10.1002/fft2.131.
- Elim, D., Fitri, A.M.N., Mahfud, M.A.S., Afika, N., Sultan, N.A.F., Hijrah, Asri, R.M. dan Permana, A.D. 2023. Hydrogel forming microneedle-mediated transdermal delivery of sildenafil citrate from polyethylene glycol reservoir: an ex vivo proof of concept study. *Colloids Surfaces B*. 222: 1-13.
- Enggi, C.K., Sulistiawati, S., Stephanie, S., Tangdilintin, F., Achmad, A., Putri, R., Burhanuddin, H., Arjung, A., Manggau, M. dan Permana, A.D. 2023. Development of probiotic loaded multilayer microcapsules incorporated into dissolving microneedles for potential improvement treatment of vulvovaginal candidiasis: a proof of concept study. *J. Colloid Interface Sci*. 648: 203–219.
- Febrianti, N. Q., Aziz, A. Y. R., Tunggang, M. G. R., Ramadhany, I. D., Syafika, N., Azis, S. B. A. dan Permana, A. D. 2024. Development of pH-Sensitive Nanoparticle Incorporated into Dissolving Microarray Patch for Selective Delivery of Methotrexate. *AAPS PharmSciTech*. 25(4): 70.
- Fitri, A.M. N., Elim, D., Mahfud, M. A. S., Sultan, N. A. F., Saputra, M. D., Afika, N., Friandini, R. A., Djide, N. J. N. dan Permana, A. D. 2022. Polymeric hydrogel forming microneedle-mediated transdermal delivery of sildenafil citrate from direct-compressed tablet reservoir for potential improvement of pulmonary hypertension therapy. *Int. J. Pharm*. 631: 122549.
- G. M. Keating, "Sofosbuvir: A review of its use in patients with chronic hepatitis C," *o*. 10, pp. 1127–1146, 2014, doi: 10.1007/s40265-014-0247-z.
- , R., Gara, S.K., Ahmed, F., Bhatnagar, A., Endaya Coronel, A. A., Solimando, A.G., Thompson, A., Andrews, K., Enebong J, S., Ranaldo, R., Cozzolongo, R. dan Shahini, E. 2021. alence, genotype distribution and management of hepatitis C. *erologica Belgica*. 84 (4): 637–656.



- Ilyas, N.R.A., Putri, A.P.D., Pratama, F. A., Abdullah, D.A.P., Azzahra, K.S. dan Permana, A.D. 2024. Implantable trilayer microneedle transdermal delivery system to enhance bioavailability and brain delivery of rivastigmine for Alzheimer treatment: A proof-of-concept study. *European Journal of Pharmaceutics and Biopharmaceutics*. 201. 114382.
- Kramer, J.R., Cao, Y., Li, L., Smith, D., Chhatwal, J., El-Serag, H.B. dan Kanwal, F. 2022. Longitudinal associations of risk factors and hepatocellular carcinoma in patients with cured hepatitis c virus infection. *Official journal of the American College of Gastroenterology (ACG)*. 117 (11): 1834-1844.
- Loutfy, S.A., Abdelhady, H.G., Elberry, M.H., Hamed, A.R., Ahmed, H., Hasanin, M.T.M. dan El-Awady, M. 2020. In vitro evaluation of cytotoxic and anti-hcv-4 properties of sofosbuvir encapsulated chitosan nanoparticles. *Arxiv preprint Arxiv*. 2009. 06041.
- Mahfufah, U., Sultan, N.A.F., Fitri, A.M.N., Elim, D., Mahfud, M.A.S.B., Wafiah, N. dan Permana, A.D. 2023. Application of multipolymers system in the development of hydrogel-forming microneedle integrated with polyethylene glycol reservoir for transdermal delivery of albendazole. *European Polymer Journal*. 183. 111762.
- Mohsen, N.M., El-Din, E.E.Z., Osman, M.A. dan Ashmawy, S.M. 2022. Investigation of The Effect of Verapamil on The Regional Absorption of Sofosbuvir from Rabbit Intestine In Situ. *Journal of Pharmaceutical Sciences*. 30 (1): 49–58.
- Naguib, J.M., Moustafa, K.A., Thabet, N. A., Elshafeey, A.H. dan Elsayed, I. 2020. Molecular docking and statistical optimization of taurocholate-stabilized galactose anchored bilosomes for the enhancement of sofosbuvir absorption and hepatic relative targeting efficiency. *Drug Delivery*. 27 (1): 996-1009.
- R. Palmeira-De-Oliveira, R. M. Machado, J. Martinez-De-Oliveira, and A. Palmeira-De-Oliveira, "Testing Vaginal Irritation with the Hen's Egg Test-Chorioallantoic Membrane Assay," *ALTEX*, vol. 35, no. 4, pp. 495–503, 2018, doi: 10.14573/altex.1710091.
- Rangari, S.W., Patel, H.R. dan Bari, S.B. 2022. Analytical Profiling of Sofosbuvir as NS5B Protein Inhibitor for Oral Drug Delivery: Method development and Validation. *Bulletin of Faculty of Pharmacy Cairo University*. 60 (2). 1036.
- Riset Kesehatan Dasar. 2018. *Badan Penelitian dan Pengembangan Kesehatan*. Kementerian Kesehatan Republik Indonesia.
- Samma, A.A., Hidayat, M.T., Fitrayani, N., Anggriani, A. dan Permana, A.D. 2024. Incorporation of efavirenz inclusion complex in dissolvable microneedle for enhanced effectiveness of intravaginal drug delivery: a proof of concept study. *Journal of Drug Delivery Science and Technology*. 97. 105704.
- Sartawi, Z., Blackshields, C. dan Faisal, W. 2022. Dissolving microneedles: Applications and growing therapeutic potential. *Journal of Controlled Release*. 348. 186-205.
- Syaiful, N., Aziz, S. P. A. Enggi, C.K., Qonita, H.A., Mahmud, T.R.A., Abizart, A., Asri, Permana, A.D. 2023. Glucose-responsive microparticle loaded needles for selective delivery of metformin: a proof-of-concept study. *Journal of Drug Delivery Science and Technology*. 20 (2): 1269-1284.
- T. Ladics, "Automatic kinetic model generation and selection of concentration versus time curves," *Int J Chem Kinet*, vol. 52, no. 2, pp. 100-110, 2020, doi: 10.1002/kin.21335.



- Wang, Y.K., Wang, Y.W., Lu, C.L., Huang, Y.H., Hou, M.C., Chang, Y.L., Lee, W.P. dan Lan, K.H. 2022. Sofosbuvir-based direct-acting antivirals and changes in cholesterol and low density lipoprotein-cholesterol. *Scientific Reports*. 12 (1).
- Yao, X., Gao, S., Wang, J., Li, Z., Huang, J., Wang, Y., Wang, Z., Chen, J., Fan, X., Wang, W., Jin, X., Pan, X., Yu, Y., Lagrutta, A. dan Yan, N. 2022. Structural basis for the severe adverse interaction of sofosbuvir and amiodarone on I-type cav channels. *Cell*. 185 (25): 4801-4810.
- Zhang, Y., Li, Q., Wang, C., Zhu, L., Wang, F., Jiao, W., Zhuang, X., Xie, F., Dua, L. dan Jin, Y. 2022. Cinnarizine dissolving microneedles against microwave-induced brain injury. *Biomed Pharmacother*. 155. 11377





Optimized using
trial version
www.balesio.com