

DAFTAR PUSTAKA

- Asa, F.N.M., Sumarsih, S., Zaidan, A.H., 2016. Komposit Kolagen Fibril-Alginat Sebagai Kandidat Membran Hidrogel Skin Substitute. *J. Biosains Pascasarj.* 18.
- Astete, C.E., Sabliov, C.M., 2006. Synthesis and characterization of PLGA nanoparticles. *J. Biomater. Sci. Polym. Ed.* 17, 247–289.
- Bhatia, S., 2016. Nanoparticles Types, Classification, Characterization, Fabrication Methods and Drug Delivery Applications, in: *Natural Polymer Drug Delivery Systems*. Springer International Publishing, Cham, pp. 33–93.
- Brincat, M.P., 2004. Oestrogens and the skin. *J. Cosmet. Dermatol.* 3, 41–49.
- Buzea, C., Pacheco, I.I., Robbie, K., 2007. Nanomaterials and nanoparticles: Sources and toxicity. *Biointerphases* 2, MR17-MR71.
- Fatmawaty, A., Riski, R., Arfiyanti, N., Muslimin, L., 2018. The Effect of Sodium Alginate on the Physical Characteristics of Mulberry (*Morus alba* L.) Leaf Extract. *J. Pharm. Med. Sci.* 2.
- Kaur, A., 2013. Maslow's need hierarchy theory: Applications and criticisms. *Glob. J. Manag. Bus. Stud.* 3, 1061–1064.
- Khakim, A.N., Atun, S.A.S., 2017. Pembuatan Nanopartikel Ekstrak Kunci Pepet (*Kaempferia rotunda*) Dengan Alginat Pada Berbagai Variasi Konsentrasi Ion Kalsium. *J. Kim. Dasar* 6, 43–50.
- Kohane, D.S., 2007. Microparticles and nanoparticles for drug delivery. *Biotechnol. Bioeng.* 96, 203–209.
- Kurniawan, C., Waluyo, T.B., Sebayang, P., Indonesia, L.I.P., 2011. Analisis Ukuran Partikel Menggunakan Free Software Image-J, in: *Seminar Nasional Fisika 2011*. Pusat Penelitian Fisika (LIPI). pp. 12–13.
- Malaivijitnond, S., 2012. Medical applications of phytoestrogens from the Thai herb *Pueraria mirifica*. *Front. Med.* 6, 8–21.
- Martien, R., Adhyatmika, A., Irianto, I.D., Farida, V., Sari, D.P., 2012. Perkembangan teknologi nanopartikel sebagai sistem penghantaran obat. *Maj. Farm.* 8, 133–144.
- Mujamilah, M., Sulungbud, G.T., 2013. Karakteristik Dinamik Sistem Koloid Magnetik Berbasis Nanopartikel Oksida Fe-Chitosan. *J. Kim. Dan Kemasan* 35, 65–70.
- Murdock, R.C., Braydich-Stolle, L., Schrand, A.M., Schlager, J.J., Hussain, S.M., 2008. Characterization of Nanomaterial Dispersion in Solution Prior to In Vitro Exposure Using Dynamic Light Scattering Technique. *Toxicol. Sci.* 101, 239–253.
- Mutia, T., Eriningsih, R., Safitri, R., 2011. Membran alginat sebagai pembalut luka primer dan media penyampaian obat topikal untuk luka yang terinfeksi. *J. Ind. Res. J. Ris. Ind.* 5.
- Nakahira, A., Nakamura, S., Horimoto, M., 2007. Synthesis of Modified Hydroxyapatite (HAP) Substituted With Fe Ion for DDS Application. *IEEE Trans. Magn.* 43, 2465–2467.
- Nugroho, A.K., Efiana, N.A., Martien, R., 2013. Formulation of Losartan Nanoparticles with Chitosan as a Carrier. *J. Ilmu Kefarmasian Indones.* 11, 7–12.

- Park, K., Yeo, Y., 2007. Microencapsulation technology. *Encycl. Pharm. Technol.* 4, 2315–2327.
- Patil, P.N., Sawant, D.V., Deshmukh, R.N., 2012. Physico-chemical parameters for testing of water-A review. *Int. J. Environ. Sci.* 3, 1194.
- Pawar, S.N., Edgar, K.J., 2012. Alginate derivatization: A review of chemistry, properties and applications. *Biomaterials* 33, 3279–3305.
- Prasetiowati, A.L., Prasetya, A.T., Wardani, S., 2018. Sintesis Nanopartikel Perak dengan Bioreduktor Ekstrak Daun Belimbing Wuluh (*Averrhoa bilimbi* L.) Uji Aktivasnya sebagai Antibakteri. *Indones. J. Chem. Sci.* 7, 160–166.
- Rangsimawong, W., Tansathien, K., Nuntharatanapon, N., Jaewjira, S., Opanasopit, P., 2017. Development Of Pueraria Mirifica Extract-Loaded Lipid Nanoparticles For Hair Spray. *Thai Bull. Pharm. Sci.* 12, 13–20.
- Rawat, M., Singh, D., Saraf, S., Saraf, Swarnlata, 2006. Nanocarriers: promising vehicle for bioactive drugs. *Biol. Pharm. Bull.* 29, 1790–1798.
- Rosanti, S.D., Puryanti, D., 2015. Pengaruh Temperatur Terhadap Ukuran Partikel Fe₃O₄ Dengan Template PEG-2000 Menggunakan Metode Kopresipitasi. *J. Ilmu Fis. Univ. Andalas* 7, 39–44.
- Rujiantina, A.S., Widyastuti, N., Probosari, E., 2017. Konsumsi fitoestrogen, persentase lemak tubuh dan siklus menstruasi pada wanita vegetarian (PhD Thesis). Diponegoro University.
- Saha, P., Goyal, A.K., Rath, G., 2010. Formulation and evaluation of chitosan-based ampicillin trihydrate nanoparticles. *Trop. J. Pharm. Res.* 9.
- Schuh, T., de Jonge, N., 2014. Liquid scanning transmission electron microscopy: Nanoscale imaging in micrometers-thick liquids. *Comptes Rendus Phys.* 15, 214–223.
- Setiani Rahmawati, I., Dwi Hastuti, E., Darmanti, S., 2011. Pengaruh perlakuan konsentrasi kalsium klorida (CaCl₂) dan lama penyimpanan terhadap kadar asam askorbat buah tomat (*Lycopersicum esculentum* Mill.). *Anat. Fisiol.* 19, 62–70.
- Sofian, F.F., Moektiwardoyo, M., 2013. Peningkatan Sikap Positif Masyarakat Dalam Pemanfaatan Tanaman Obat Pekarangan Rumah Di Desa Sukamaju Dan Girijaya Kabupaten Garut. *Dharmakarya 2. Jurnal Peningkatan Ipteks dan Teknologi.* 2, 12-19.
- Stratton, C.F., Newman, D.J., Tan, D.S., 2015. Cheminformatic comparison of approved drugs from natural product versus synthetic origins. *Bioorg. Med. Chem. Lett.* 25, 4802–4807.
- Subaryono, S., 2010. Alginates modification and the prospective uses of their products. *Squalen Bull. Mar. Fish. Postharvest Biotechnol.* 5, 1–7.
- Sun, J., Xiao, C., Tan, H., Hu, X., 2013a. Covalently crosslinked hyaluronic acid-chitosan hydrogel containing dexamethasone as an injectable scaffold for soft tissue engineering. *J. Appl. Polym. Sci.* 129, 682–688.
- Sun, J., Xiao, C., Tan, H., Hu, X., 2013b. Covalently crosslinked hyaluronic acid-chitosan hydrogel containing dexamethasone as an injectable scaffold for soft tissue engineering. *J. Appl. Polym. Sci.* 129, 682–688.
- Tyagi, R., Tiwari, A., Garg, V.K., Gupta, S., 2017. Transcriptome wide identification and characterization of starch branching enzyme in finger millet. *Bioinformatics* 13, 179.

- Yingngam, B., Rungseevijitprapa, W., 2012. Molecular and clinical role of phytoestrogens as anti-skin-ageing agents: A critical overview. *Phytopharmacology* 3, 227–244.
- Yusakul, G., Putalun, W., Udomsin, O., Juengwatanatrakul, T., Chaichantipyuth, C., 2011. Comparative analysis of the chemical constituents of two varieties of *Pueraria candollei*. *Fitoterapia* 82, 203–207.
- Zulkarnain, A.K., Ernawati, N., Sukardani, N.I., 2013. Activities Of Yam Starch (*Pachyrhizus erosus* (L.) Urban) As Sunscreen In Mouse And The Effect Of Its Concentration To Viscosity Level. *Maj. Obat Tradis. Tradit. Med. J.* 18, 1–8.

