

DAFTAR PUSTAKA

- Afifah, A. N., Dono, N. D., & Zuprizal. (2021). Optimizing antioxidant properties of salam (*Syzygium polyanthum*) leaf extract through nanoencapsulation technology. *IOP Conference Series: Earth and Environmental Science*, 686(1). <https://doi.org/10.1088/1755-1315/686/1/012040>
- Alfaraj, R., Hababah, S., Eltayb, E. K., Alqahtani, F. Y., & Aleanizy, F. S. (2024). Isotretinoin self-nano-emulsifying drug delivery system: Preparation, optimization and antibacterial evaluation. *Saudi Pharmaceutical Journal*, 32(6). <https://doi.org/10.1016/j.jsps.2024.102063>
- Al-Samydai, A., Qaraleh, M. Al, Alshaer, W., Al-Halaseh, L. K., Issa, R., Alshaikh, F., Abu-Rumman, A., Al-Ali, H., & Al-Dujaili, E. A. S. (2022). Preparation, Characterization, Wound Healing, and Cytotoxicity Assay of PEGylated Nanophytosomes Loaded with 6-Gingerol. *Nutrients*, 14(23). <https://doi.org/10.3390/nu14235170>
- Altammar, K. A. (2023). A review on nanoparticles: characteristics, synthesis, applications, and challenges. In *Frontiers in Microbiology* (Vol. 14). Frontiers Media S.A. <https://doi.org/10.3389/fmicb.2023.1155622>
- Alwie, R. R., Mumpuni, E., Sulastri, L., & Simanjuntak, P. (2021a). AKTIVITAS EKSTRAK ETANOL DAUN SALAM [*Syzygium polyanthum* (Wight) Walp.] SEBAGAI PENGHAMBAT ENZIM α -GLUKOSIDASE DAN STUDI SECARA IN SILICO. *Jurnal Fitofarmaka Indonesia*, 8(2), 36–42. <https://doi.org/10.33096/jffi.v8i2.750>
- Alwie, R. R., Mumpuni, E., Sulastri, L., & Simanjuntak, P. (2021b). AKTIVITAS EKSTRAK ETANOL DAUN SALAM [*Syzygium polyanthum* (Wight) Walp.] SEBAGAI PENGHAMBAT ENZIM α -GLUKOSIDASE DAN STUDI SECARA IN SILICO. *Jurnal Fitofarmaka Indonesia*, 8(2), 36–42. <https://doi.org/10.33096/jffi.v8i2.750>

- American Diabetes Association Releases 2023 Standards of Care in Diabetes to Guide Prevention, Diagnosis, and Treatment for People Living with Diabetes. (n.d.). Retrieved from <https://diabetes.org/newsroom/american-diabetes-association-2023-standards-care-diabetes-guide-for-prevention-diagnosis-treatment-people-living-with-diabetes>
- Ananta, M. N. F., Nuralyza, I., Solehah, K., Pratama, I. S., & Aini, S. R. (2024). Skrining fitokimia ekstrak air dan ekstrak etanol 70% Propolis Trigona sp. asal Lombok Utara. *Sasambo Journal of Pharmacy*, 5(1), 38–45. <https://doi.org/10.29303/sjp.v5i1.305>
- Anggraini, A., Dokter, P., Kedokteran, F., & Lampung, U. (n.d.). *MANFAAT ANTIOKSIDAN DAUN SALAM TERHADAP KADAR GLUKOSA DARAH DAN PENURUNAN APOPTOSIS NEURON DI HIPPOCAMPUS OTAK TIKUS YANG MENGALAMI DIABETES*. <http://jurnalmedikahutama.com>
- Ayu, G., Adhi, M., Tinggi, S., Kesehatan, I., Stikes, (, & Mataram,). (n.d.). *ANALISIS POLA KONSUMSI ALKOHOL PADA LAKI-LAKI DIABETES MELLITUS TIPE 2 DI WILAYAH KERJA PUSKESMAS MANGGIS I DAN II KECAMATAN MANGGIS KABUPATEN KARANGASEM, BALI*.
- Banday, M. Z., Sameer, A. S., & Nissar, S. (2020). Pathophysiology of diabetes: An overview. *Avicenna Journal of Medicine*, 10(04), 174–188. https://doi.org/10.4103/ajm.ajm_53_20
- Barani, M., Sangiovanni, E., Angarano, M., Rajizadeh, M. A., Mehrbani, M., Piazza, S., Gangadharappa, H. V., Pardakhty, A., Mehrbani, M., Dell’agli, M., & Nematollahi, M. H. (2021). Phytosomes as innovative delivery systems for phytochemicals: A comprehensive review of literature. In *International Journal of Nanomedicine* (Vol. 16, pp. 6983–7022). Dove Medical Press Ltd. <https://doi.org/10.2147/IJN.S318416>
- Beloqui, A., Solinís, M. Á., Rodríguez-Gascón, A., Almeida, A. J., & Préal, V. (2016). Nanostructured lipid carriers: Promising drug delivery systems for future clinics. In *Nanomedicine: Nanotechnology, Biology, and Medicine* (Vol.

- 12, Issue 1, pp. 143–161). Elsevier Inc.
<https://doi.org/10.1016/j.nano.2015.09.004>
- Biologi, J., Sains dan Teknologi, F., Alauddin Makassar, U., Pemeriksaan, C., Pengobatan dan Cara Pencegahan LESTARI, C., Aisyah Sijid, S., Studi Biologi, P., & Alauddin Makassar Jl Yasin Limpo Gowa, U. H. (n.d.). *Diabetes Melitus: Review Etiologi*. <http://journal.uin-alauddin.ac.id/index.php/psb>
- Brito Raj, S., Chandrasekhar, K. B., & Reddy, K. B. (2019). Formulation, in-vitro and in-vivo pharmacokinetic evaluation of simvastatin nanostructured lipid carrier loaded transdermal drug delivery system. *Future Journal of Pharmaceutical Sciences*, 5(1). <https://doi.org/10.1186/s43094-019-0008-7>
- Cahyana, Y., & Adiyanti, T. (2021). Review: Flavonoids as antidiabetic agents. *Indonesian Journal of Chemistry*, 21(2), 512–526. <https://doi.org/10.22146/ijc.58439>
- Chen, N. T., Tang, K. C., Chung, M. F., Cheng, S. H., Huang, C. M., Chu, C. H., Chou, P. T., Souris, J. S., Chen, C. T., Mou, C. Y., & Lo, L. W. (2014). Enhanced plasmonic resonance energy transfer in mesoporous silica-encased gold nanorod for two-photon-activated photodynamic therapy. *Theranostics*, 4(8), 798–807. <https://doi.org/10.7150/thno.8934>
- Chisholm -Burns, M. A. (n.d.). *SIXTH EDITION PHARMACOTHERAPY PRINCIPLES AND PRACTICE*. www.clinicaleducat.com
- Diabetes* (no date) *World Health Organization*. World Health Organization. Available at: https://www.who.int/health-topics/diabetes#tab=tab_1 (Accessed: 10 December 2024).
- Dewijanti, I., MANGUNWARDYO, W., ASTARI DWIRANTI, MUHAMMAD HANAFLI, & NINA ARTANTI. (2020). Short communication: Effects of the various source areas of Indonesian bay leaves (*Syzygium polyanthum*) on chemical content and antidiabetic activity. *Biodiversitas Journal of Biological Diversity*, 21(3). <https://doi.org/10.13057/biodiv/d210345>

- Doktorovová, S., Kovačević, A. B., Garcia, M. L., & Souto, E. B. (2016). Preclinical safety of solid lipid nanoparticles and nanostructured lipid carriers: Current evidence from in vitro and in vivo evaluation. *European Journal of Pharmaceutics and Biopharmaceutics*, 108, 235–252. <https://doi.org/10.1016/j.ejpb.2016.08.001>
- Emelda, A., & Astriani, Y. R. (2018). Kombinasi Ekstrak Etanol Daun Salam (*Syzygium polyanthum*) dan Daun Jambu Biji (*Psidium guajava* L.) sebagai Antidiabetes Oral pada Tikus Putih (*Rattus novergicus*). *Pharmaceutical Journal of Indonesia*, 4(1), 17–22.
- Erwan, M. O., & Parbuntari, H. (2023). *Chemistry Journall of Universitass Negerii Padangg Identifikasi Senyawa Metabolit Sekunder pada Daun Salam (Syzygium polyanthum)* (Vol. 12). <http://ejournal.unp.ac.id/index.php/kimiau>
- Fathi, F., Kouchaksaraee, R. M., Ebrahimi, S. N., Costa, A. S. G., Souto, E. B., Prior, J. A. V., Oliveira, M. B. P. P., & Alves, R. C. (2023). Enhanced-release of phenolic-enriched grape seed antioxidants through innovative cholesterol doped phytosomes. *Sustainable Materials and Technologies*, 37. <https://doi.org/10.1016/j.susmat.2023.e00673>
- Fenolik, K., Ekstrak, D., Jagung, T., Mays, Z., Susanty, L.), & Bachmid, F. (n.d.). *Perbandingan Metode Ekstraksi Maserasi dan Refluks terhadap Kadar Fenolik dari Ekstrak Tongkol Jagung (Zea mays L.)* (Susanty, Fairus Bachmid).
- Galicía-García, U., Benito-Vicente, A., Jebari, S., Larrea-Sebal, A., Siddiqi, H., Uribe, K. B., Ostolaza, H., & Martín, C. (2020). Pathophysiology of type 2 diabetes mellitus. In *International Journal of Molecular Sciences* (Vol. 21, Issue 17, pp. 1–34). MDPI AG. <https://doi.org/10.3390/ijms21176275>
- Ghanbarzadeh, B., Babazadeh, A., & Hamishehkar, H. (2016). Nano-phytosome as a potential food-grade delivery system. In *Food Bioscience* (Vol. 15, pp. 126–135). Elsevier Ltd. <https://doi.org/10.1016/j.fbio.2016.07.006>

- Ghanbarzadeh, S., Mohammadi, M., Hamishehkar, H., & Rasaie, S. (2014). *Pharmaceutical sciences* (Vol. 20). <http://pharm-sci.tbzmed.ac.ir>
- Hairani, R., Ruga, R., Kimia, J., Matematika dan Ilmu Pengetahuan Alam, F., Mulawarman, U., Timur, K., & Unggulan Iptek Perguruan Tinggi Obat dan Kosmetik dari Hutan Tropikal Lembab dan Lingkungannya, P. (n.d.). *SKRINING FITOKIMIA DAN UJI TOKSISITAS EKSTRAK DIKLOROMETANA RIMPANG TEMU KUNCI (Boesenbergia rotunda) PHYTOCHEMICAL SCREENING AND TOXICITY ASSAY OF DICHLOROMETHANE EXTRACT OF FINGER ROOT (Boesenbergia rotunda) RHIZOME*. 9(2), 62–68. <https://doi.org/10.30872/ja.v9i2.1407>
- Hardianto, D. (2021). TELAAH KOMPREHENSIF DIABETES MELITUS: KLASIFIKASI, GEJALA, DIAGNOSIS, PENCEGAHAN, DAN PENGOBATAN. *Jurnal Bioteknologi & Biosains Indonesia (JBBi)*, 7(2), 304–317. <https://doi.org/10.29122/jbbi.v7i2.4209>
- Harismah, K. (2017). PEMANFAATAN DAUN SALAM (*Eugenia polyantha*) SEBAGAI OBAT HERBAL DAN REMPAH PENYEDAP MAKANAN. *Warta LPM*, 19(2), 110–118. <https://doi.org/10.23917/warta.v19i2.2742>
- Huang, W., Dou, H., Wu, H., Sun, Z., Wang, H., & Huang, L. (2017). Preparation and Characterisation of Nobiletin-Loaded Nanostructured Lipid Carriers. *Journal of Nanomaterials*, 2017. <https://doi.org/10.1155/2017/2898342>
- Husni, P., & Puspitaningrum, K. (2017). Pengembangan Formula Nano-fitosom Serbuk Liofilisasi Seduhan Teh Hitam (*Camellia sinensis* L. Kuntze). *Indonesian Journal of Pharmaceutical Science and Technology*, 4(3), 100. <https://doi.org/10.15416/ijpst.v4i2.10916>
- IDF Diabetes Atlas 2021* (no date) *IDF Diabetes Atlas*. Available at: <https://diabetesatlas.org/atlas/tenth-edition/> (Accessed: 10 December 2024).
- Indrahadi, D., Wardana, A., & Pierewan, A. C. (2021). The prevalence of diabetes mellitus and relationship with socioeconomic status in the Indonesian

- population. *Jurnal Gizi Klinik Indonesia*, 17(3), 103.
<https://doi.org/10.22146/ijcn.55003>
- Ismail, A., & Wan Ahmad, W. A. N. (2019). *Syzygium polyanthum* (Wight) Walp: A potential phytomedicine. *Pharmacognosy Journal*, 11(2), 429–438.
<https://doi.org/10.5530/pj.2019.11.67>
- Isnaini, N., & Ratnasari, R. (2018). Faktor risiko mempengaruhi kejadian Diabetes mellitus tipe dua. *Jurnal Kebidanan Dan Keperawatan Aisyiyah*, 14(1), 59–68. <https://doi.org/10.31101/jkk.550>
- Jafar, G., Prita Buana, I., & Fatmawati, F. (2024). METODE SONIKASI PROBE. In *Agustus* (Vol. 7, Issue 2).
- Jafar, G., Salsabilla, S., & Santoso, R. (2022). DEVELOPMENT AND CHARACTERIZATION OF COMPRITOL ATO® BASE IN NANOSTRUCTURED LIPID CARRIERS FORMULATION WITH THE PROBE SONICATION METHOD. *International Journal of Applied Pharmaceutics*, 14(Special Issue 4), 64–66.
<https://doi.org/10.22159/ijap.2022.v14s4.PP04>
- Jaiswal, M., Dudhe, R., & Sharma, P. K. (2015). Nanoemulsion: an advanced mode of drug delivery system. In 3 *Biotech* (Vol. 5, Issue 2, pp. 123–127). Springer Verlag. <https://doi.org/10.1007/s13205-014-0214-0>
- Joudeh, N., & Linke, D. (2022). Nanoparticle classification, physicochemical properties, characterization, and applications: a comprehensive review for biologists. In *Journal of Nanobiotechnology* (Vol. 20, Issue 1). BioMed Central Ltd. <https://doi.org/10.1186/s12951-022-01477-8>
- Juliantoni, Y., Hajrin, W., & Subaidah, W. A. (2020). Nanoparticle Formula Optimization of Juwet Seeds Extract (*Syzygium cumini*) using Simplex Lattice Design Method. *Jurnal Biologi Tropis*, 20(3), 416–422.
<https://doi.org/10.29303/jbt.v20i3.2124>

- Karpuz, M., Gunay, M. S., & Ozer, A. Y. (2020). Liposomes and phytosomes for phytoconstituents. In *Advances and Avenues in the Development of Novel Carriers for Bioactives and Biological Agents* (pp. 525–553). Elsevier. <https://doi.org/10.1016/B978-0-12-819666-3.00018-3>
- Kartika Irnayanti dan Krisnawati Bantas, D. (2021). Hubungan Antara Merokok Dengan Diabetes Mellitus Berdasarkan Indeks Massa Tubuh (Analisis Data Ifls 5). *Jurnal Health Sains*, 2(4). <http://jurnal.healthsains.co.id/index.php/jhs/article/view/149>
- Kemenkes, R. I. (2020). Keputusan Menteri Kesehatan Republik Indonesia Nomor HK.
- Klymchenko, A. S., Liu, F., Collot, M., & Anton, N. (2021). Dye-Loaded Nanoemulsions: Biomimetic Fluorescent Nanocarriers for Bioimaging and Nanomedicine. In *Advanced Healthcare Materials* (Vol. 10, Issue 1). Wiley-VCH Verlag. <https://doi.org/10.1002/adhm.202001289>
- Kusnadi, G., Murbawani, A., & Fitranti, D. Y. (2017). FAKTOR RISIKO DIABETES MELITUS PADA PETANI DAN BURUH. *Journal of Nutrition College*, 6(2), 138. <http://ejournal-sl.undip.ac.id/index.php/jnc>
- Laporan Riskesdas 2018 Nasional*. (n.d.).
- Li, Y., Zhang, W., Zhao, R., & Zhang, X. (2022). Advances in oral peptide drug nanoparticles for diabetes mellitus treatment. In *Bioactive Materials* (Vol. 15, pp. 392–408). KeAi Communications Co. <https://doi.org/10.1016/j.bioactmat.2022.02.025>
- Lolok, N., Ode Yuliasri, W., Algafiq Abdillah Program Studi Farmasi, F., & Mandala Waluya, S. (n.d.). Efek Antidiabetes Kombinasi Ekstrak Etanol Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb.) Dan Daun Salam (*Syzygium polyanthum* Wight.) Pada Tikus Putih Dengan Metode Induksi Aloksan. *Jurnal Mandala Pharmacon Indonesia*, 6. www.jurnal-pharmaconmw.com/jmpi

- Lu, M., Qiu, Q., Luo, X., Liu, X., Sun, J., Wang, C., Lin, X., Deng, Y., & Song, Y. (2019). Phyto-phospholipid complexes (phytosomes): A novel strategy to improve the bioavailability of active constituents. In *Asian Journal of Pharmaceutical Sciences* (Vol. 14, Issue 3, pp. 265–274). Shenyang Pharmaceutical University. <https://doi.org/10.1016/j.ajps.2018.05.011>
- Majumdar, S., Mahanti, B., Kar, A. K., Parya, H., Ghosh, A., & Kar, B. (2024). Nanoliposome: As a smart nanocarrier in transdermal drug delivery system. In *Intelligent Pharmacy*. KeAi Publishing Communications Ltd. <https://doi.org/10.1016/j.ipha.2024.04.004>
- Mane, V., Killedar, S., More, H., & Tare, H. (2024). Preclinical study on camellia sinensis extract-loaded nanophytosomes for enhancement of memory-boosting activity: optimization by central composite design. *Future Journal of Pharmaceutical Sciences*, 10(1). <https://doi.org/10.1186/s43094-024-00639-9>
- Marselin, A., Hartanto, F. A. D., & Utami, M. P. S. (2021). KEPATUHAN MINUM OBAT PADA PASIEN ULKUS DIABETIKUM DI PROPINSI DAERAH ISTIMEWA YOGYAKARTA: MIX METHOD. *Jurnal Ilmiah Farmasi Farmasyifa*, 4(2), 51–58. <https://doi.org/10.29313/jiff.v4i2.7961>
- Maryana, W., Rachmawati, H., & Mudhakhir, D. (2016). Formation of Phytosome Containing Silymarin Using Thin Layer-Hydration Technique Aimed for Oral Delivery. *Materials Today: Proceedings*, 3(3), 855–866. <https://doi.org/10.1016/j.matpr.2016.02.019>
- Mendes, D., Valentão, P., Oliveira, M. M., Andrade, P., & Videira, R. A. (2021). A nanophytosomes formulation based on elderberry anthocyanins and Codium lipids to mitigate mitochondrial dysfunctions. *Biomedicine and Pharmacotherapy*, 143. <https://doi.org/10.1016/j.biopha.2021.112157>
- Mistryanto Tambunan, P., Nadia, S., Az Zahra Siregar, F., & Studi Farmasi, P. (n.d.). *SKRINING DAN UJI AKTIVITAS ANTIOKSIDAN EKSTRAK ETANOL DAUN SALAM (Syzygium polyanthum (Wight) Walp) DENGAN METODE FRAP*

(*Ferric Reducing Antioxidant Power*).
<https://www.ojs.unhaj.ac.id/index.php/fj>

Mutia Rissa, M. (2022). Mekanisme Ekstrak Daun Salam (*Syzygium Polyanthum*) sebagai Antidiabetes. *Jurnal Health Sains*, 3(2), 242–249.
<https://doi.org/10.46799/jhs.v3i2.421>

Nandayasa, W. W., Febriyenti, & Lucida, H. (2023). OPTIMIZATION AND CHARACTERIZATION OF QUERCETIN VITAMIN C NANO-PHYTOSOME FORMULATION. *International Journal of Applied Pharmaceutics*, 15(Special Issue 1), 51–55.
<https://doi.org/10.22159/ijap.2023.v15s1.47507>

National Center for Biotechnology Information (2024). PubChem Compound Summary for CID 6344, Methylene Chloride. Retrieved December 10, 2024 from <https://pubchem.ncbi.nlm.nih.gov/compound/Methylene-Chloride>.

National Center for Biotechnology Information (2024). PubChem Compound Summary for CID 702, Ethanol. Retrieved December 10, 2024 from <https://pubchem.ncbi.nlm.nih.gov/compound/Ethanol>.

National Center for Biotechnology Information (2024). PubChem Compound Summary for , Polyoxyl 40 Hydrogenated Castor Oil. Retrieved December 10, 2024 from <https://pubchem.ncbi.nlm.nih.gov/compound/Polyoxyl-40-Hydrogenated-Castor-Oil>.

Novitasari, A. E., Romadloni, L., Studi, P., Kesehatan, A., Analisis, A., Delima, K., Gresik, H., Arif, J., Hakim, R., & Delima Husada, K. (2017). *Nomor 01* (Vol. 08).

Nurjana, M. A., & Veridiana, N. N. (2019). Hubungan Perilaku Konsumsi dan Aktivitas Fisik dengan Diabetes Mellitus di Indonesia. *Buletin Penelitian Kesehatan*, 47(2), 97–106. <https://doi.org/10.22435/bpk.v47i2.667>

Ojo, O. A., Ibrahim, H. S., Rotimi, D. E., Ogunlakin, A. D., & Ojo, A. B. (2023). Diabetes mellitus: From molecular mechanism to pathophysiology and

- pharmacology. In *Medicine in Novel Technology and Devices* (Vol. 19). Elsevier B.V. <https://doi.org/10.1016/j.medntd.2023.100247>
- Pagalla, D. B. (n.d.). *BUKU ISBN EKSTRAKSI BAHAN ALAM*. <https://www.researchgate.net/publication/381613640>
- Parisa, N., Tamzil, N. S., Handayati Harahap, D., Dwi Prasasty, G., Hidayat, R., Maritska, Z., & Prananjaya, B. A. (2019). The effect of Leaf Salam Extracts (*Syzygium polyanthum*) in diabetes mellitus therapy on wistar albino rats. *Journal of Physics: Conference Series*, 1246(1). <https://doi.org/10.1088/1742-6596/1246/1/012034>
- Patel, A., Patel, K., Patel, V., Rajput, M. S., Patel, R., & Rajput, A. (2024). Nanocrystals: an emerging paradigm for cancer therapeutics. *Future Journal of Pharmaceutical Sciences*, 10(1). <https://doi.org/10.1186/s43094-024-00579-4>
- PENGARUH EKSTRAK DAUN SALAM*. (n.d.).
- Perdana, F., Ws, D., & Rd, R. (n.d.). *PENAPISAN FITOKIMIA DAN UJI AKTIVITAS ANTIOKSIDAN EKSTRAK METANOL DAUN JAMBU BOL (*Syzygium malaccense* (L.) Merr. & Perry), DAUN SALAM (*Syzygium polyanthum* (Wight.) Walpers), SERTA DAUN JAMBLANG (*Syzygium cumini* (L.) Skeels) ASAL ARBORETUM GARUT*. www.journal.uniga.ac.id
- Permana, A. D., Utami, R. N., Courtenay, A. J., Manggau, M. A., Donnelly, R. F., & Rahman, L. (2020). Phytosomal nanocarriers as platforms for improved delivery of natural antioxidant and photoprotective compounds in propolis: An approach for enhanced both dissolution behaviour in biorelevant media and skin retention profiles. *Journal of Photochemistry and Photobiology B: Biology*, 205. <https://doi.org/10.1016/j.jphotobiol.2020.111846>
- Pınar, S. G., Oktay, A. N., Karaküçük, A. E., & Çelebi, N. (2023). Formulation Strategies of Nanosuspensions for Various Administration Routes. In

Pharmaceutics (Vol. 15, Issue 5). MDPI.
<https://doi.org/10.3390/pharmaceutics15051520>

Pratiwi, S. A., Februyani, N., Basith, A., Program,), Fakultas, S. F., Kesehatan, I., Nahdlatul, U., Sunan, U., Bojonegoro, G., Yani, A., 10, N., Bojonegoro, K., Timur, J., & Boojonegoro, K. (n.d.). Skrining dan Uji Penggolongan Fitokimia dengan Metode KLT pada Ekstrak Etanol Kemangi (*Ocimum basilicum* L) dan Sereh Dapur (*Cymbopogon ciratus*). In *Pharmacy Medical Journal* (Vol. 6, Issue 2).

Publised, W., Wardana, D., Ramadhan, A., Prihatini, D., & Amne, F. (2019). *Utilization of Glycerol from Used Oil as an Ester Glycerol Surfactant*.

Punthakee, Z., Goldenberg, R., & Katz, P. (2018). Definition, Classification and Diagnosis of Diabetes, Prediabetes and Metabolic Syndrome. *Canadian Journal of Diabetes*, 42, S10–S15. <https://doi.org/10.1016/j.jcjd.2017.10.003>

Purnamasari, N. A. D., Dzakwan, M., Pramukantoro, G. E., Mauludin, R., & Elfahmi. (2021). Myricetin nano-phytosomes peel-off gel mask formulation as antioxidant. *International Journal of Applied Pharmaceutics*, 13(4), 278–281. <https://doi.org/10.22159/ijap.2021v13i4.40376>

Puspita, S. E., Ariastuti, R., Program, K. K., Farmasi, S., Teknologi, S., & Kesehatan, D. (2024). Uji Aktivitas Antidiabetes Infusa Daun Salam (*Syzygium polyanthum*) terhadap Mencit yang Diinduksi Aloksan. *Jurnal Pharmascience*, 11(1), 37–46.
<https://ppjp.ulm.ac.id/journal/index.php/pharmascience>

Ramadan, M. M., Mohamed, R. S., Hussien, A. G., Mohawed, O. A. M., Mabrouk, A. M., Mahmoud, A. E., Ghanem, K. Z., & El-Messery, T. M. (2024). Ameliorative effects of vitamins-loaded flavoured nanophytosomes fortified with star anise volatile oil against CsA-Induced liver and kidney injury in rats: Application in functional ice cream. *Heliyon*, 10(1). <https://doi.org/10.1016/j.heliyon.2023.e23894>

- Rani, C. C., & Mulyani, N. S. (2021). Faktor-faktor yang berhubungan dengan kejadian diabetes mellitus tipe-II pada pasien rawat jalan. *Jurnal SAGO Gizi Dan Kesehatan*, 2(2), 122. <https://doi.org/10.30867/gikes.v2i2.258>
- Riset, A., Naufal, M. A., Za, H., Sri, K., Gayatri, W., Pramono, S. D., Hidayati, P. H., & Syamsu, R. F. (n.d.). *FAKUMI MEDICAL JOURNAL Hubungan antara Dislipidemia dengan Diabetes Melitus Tipe 2 di Rumah Sakit Ibnu Sina Makassar*.
- Rohmah, M., Raharjo, S., Hidayat, C., & Martien, R. (2019). Formulasi dan Stabilitas Nanostructured Lipid Carrier dari Campuran Fraksi Stearin dan Olein Minyak Kelapa Sawit. *Jurnal Aplikasi Teknologi Pangan*, 8(1). <https://doi.org/10.17728/jatp.3722>
- Safe, S., Jayaraman, A., Chapkin, R. S., Howard, M., Mohankumar, K., & Shrestha, R. (2021). Flavonoids: structure–function and mechanisms of action and opportunities for drug development. In *Toxicological Research* (Vol. 37, Issue 2, pp. 147–162). Springer. <https://doi.org/10.1007/s43188-020-00080-z>
- Saputra, Y. E., Purnamasari, N. A. D., & Palupi, G. O. (2023a). FORMULASI DAN EVALUASI MUTU FISIK SERUM NANOFITOSOM MYRICETIN. *Jurnal Ilmiah Farmasi Farmasyifa*, 6(1), 85–92. <https://doi.org/10.29313/jiff.v6i1.10253>
- Saputra, Y. E., Purnamasari, N. A. D., & Palupi, G. O. (2023b). FORMULASI DAN EVALUASI MUTU FISIK SERUM NANOFITOSOM MYRICETIN. *Jurnal Ilmiah Farmasi Farmasyifa*, 6(1), 85–92. <https://doi.org/10.29313/jiff.v6i1.10253>
- Sari, N., & Purnama, A. (n.d.). *Aktivitas Fisik dan Hubungannya dengan Kejadian Diabetes Melitus*.
- Setiawan, A., Zukhruf, N., Kiromah, W., Cahyani, T., Program, W., Farmasi, S., Sarjana, P., Tinggi, S., Kesehatan, I., & Gombong, M. (2020). Formulasi dan Evaluasi Sediaan Tablet Nanopartikel Ekstrak Daun Salam (*Syzygium*

- Polyanthum) dengan Variasi Konsentrasi Na Alginat dan Avicel PH 102 Formulation and Evaluation of Bay Leaf Extract (*Syzygium polyanthum*) Nanoparticles Tablet with Variations in The Concentration of Na Alginate and Avicel PH 102. In *Jurnal Farmasi Indonesia* (Vol. 17, Issue 1). <http://journals.ums.ac.id/index.php/pharmacon>
- Shariare, M. H., Afnan, K., Iqbal, F., Altamimi, M. A., Ahamad, S. R., Aldughaim, M. S., Alanazi, F. K., & Kazi, M. (2020). Development and Optimization of Epigallocatechin-3-Gallate (EGCG) Nano Phytosome Using Design of Experiment (DoE) and Their In Vivo Anti-Inflammatory Studies. *Molecules*, 25(22). <https://doi.org/10.3390/MOLECULES25225453>
- Sheskey, P. J., Cook, W. G., & Cable, C. G. (2017). Handbook of pharmaceutical excipients. (No Title).
- Sihotang, R. C., Ramadhani, R., & Tahapary, D. L. (2018). Efikasi dan Keamanan Obat Anti Diabetik Oral pada Pasien Diabetes Melitus Tipe 2 dengan Penyakit Ginjal Kronik. *Jurnal Penyakit Dalam Indonesia*, 5(3), 150. <https://doi.org/10.7454/jpdi.v5i3.202>
- Simatupang, R. (2017). Pengaruh Pendidikan Kesehatan Melalui Media Leaflet Tentang Diet Dm Terhadap Pengetahuan Pasien Dm Di Rsud Pandan Kabupaten Tapanuli Tengah Tahun 2017. *Jurnal Ilmiah Kohesi*, 1(2), 163–174.
- Souto, E. B., Souto, S. B., Campos, J. R., Severino, P., Pashirova, T. N., Zakharova, L. Y., Silva, A. M., Durazzo, A., Lucarini, M., Izzo, A. A., & Santini, A. (2019). Nanoparticle delivery systems in the treatment of diabetes complications. In *Molecules* (Vol. 24, Issue 23). MDPI AG. <https://doi.org/10.3390/molecules24234209>
- Tan, P., Li, H. S., Wang, J., & Gopinath, S. C. B. (2021). Silver nanoparticle in biosensor and bioimaging: Clinical perspectives. In *Biotechnology and Applied Biochemistry* (Vol. 68, Issue 6, pp. 1236–1242). John Wiley and Sons Inc. <https://doi.org/10.1002/bab.2045>

- TEH HITAM Patihul Husni, S., Puspitaningrum, K., Farmasi, J., Kesehatan Bandung, P., & Barat, J. (2017). *PENGEMBANGAN FORMULA NANO-FITOSOM SERBUK LIOFILISASI* (Vol. 4, Issue 3).
- Trisda, R., & Bakri, S. (2021). Pengaruh konseling menggunakan media booklet terhadap pengetahuan dan sikap pada pasien diabetes melitus. *Jurnal SAGO Gizi Dan Kesehatan*, 2(1), 1. <https://doi.org/10.30867/gikes.v2i1.491>
- Warta, L., Harismah, K., Chusniatun, D., Kimia, J. T., & Tarbiyah, J. (n.d.). *PEMANFAATAN DAUN SALAM (Eugenia polyantha) SEBAGAI OBAT HERBAL DAN REMPAH PENYEDAP MAKANAN*.
- Widiastuti, T. C., Rahayu, T. P., Lestari, A., & Kinanti, A. P. (2023). Uji Aktivitas Antidiabetes Kombinasi Ekstrak Terstandar Daun Salam (*Syzigium polyanthum* Walp.) dan Daun Ganitri (*Elaeocarpus ganitri* Roxb.) Pada Tikus Putih (*Rattus norvegicus*) Jantan Galur Wistar yang Diinduksi Streptozotosin. *JPSCR: Journal of Pharmaceutical Science and Clinical Research*, 8(1), 92. <https://doi.org/10.20961/jpscr.v8i1.64765>
- Wu, H., & Ballantyne, C. M. (2020). Metabolic Inflammation and Insulin Resistance in Obesity. In *Circulation Research* (Vol. 126, Issue 11, pp. 1549–1564). Lippincott Williams and Wilkins. <https://doi.org/10.1161/CIRCRESAHA.119.315896>
- Yadav, A., Rao, C., Verma, N. C., Mishra, P. M., & Nandi, C. K. (2020). Magnetofluorescent Nanoprobe for Multimodal and Multicolor Bioimaging. *Molecular Imaging*, 19. <https://doi.org/10.1177/1536012120969477>