

DAFTAR PUSTAKA

- Akhtar, S., Rafiullah, M., Aly, W., Hossain, A., & Ali, M. (2022). Comparative phytochemical , thin layer chromatographic profiling and antioxidant activity of extracts from some Indian herbal drugs. *Journal of Bioresources and Bioproducts*, 7(2), 128–134. <https://doi.org/10.1016/j.jobab.2022.01.001>
- Aldrich, S. (2018). Technical bulletin Acetylcholinesterase Inhibitor Screening Kit. *Sigma Aldrich*.
- Aminah, A., Tomayahu, N., & Abidin, Z. (2017). PENETAPAN KADAR FLAVONOID TOTAL EKSTRAK ETANOL KULIT BUAH ALPUKAT (*Persea americana* Mill.) DENGAN METODE SPEKTROFOTOMETRI UV-VIS. *Jurnal Fitofarmaka Indonesia*, 4(2), 226–230. <https://doi.org/10.33096/jffi.v4i2.265>
- Asghar, A., Sharif, A., Awan, S. J. et al. (2023). *Ficus johannis* Boiss. leaves ethanolic extract ameliorate streptozotocin-induced diabetes in rats by upregulating the expressions of GCK, GLUT4, and IGF and downregulating G6P. *Environ Sci Pollut*, 30, 49108–49124.
- Association, A. (2018). Alzheimer's disease facts and figures. In *Alzheimer's and Dementia* (Vol. 14, Nomor 3). <https://doi.org/10.1016/j.jalz.2018.02.001>
- Aziz, Y. S., Ardyanto, M., & Y.I., M. I. (2019). STANDARISASI PARAMETER NON SPESIFIK SIMPLISIA RIMPANG KUNYIT (*Curcumae Domestica* Rizhoma) DAN TEMULAWAK (*Curcuma xanthorrhiza* Roxb.) DI KABUPATEN PONOROGO. *Jurnal Delima Harapan 2019 Jurnal Delima Harapan 2019*, 6(2), 89–94.
- Broichhagen, J., Jurastow, I., Iwan, K., Kummer, W., & Trauner, D. (2014). *Optical Control of Acetylcholinesterase with a Tacrine Switch* **. 7657–7660. <https://doi.org/10.1002/anie.201403666>
- BUSTAMI, ABDULLAH, D., & FADLI SYAH. (2014). *STATISTIKA*. Graha Ilmu.

- Chen, Z. R., Huang, J. B., Yang, S. L., & Hong, F. F. (2022). Role of Cholinergic Signaling in Alzheimer's Disease. *Molecules*, 27(6), 1–23. <https://doi.org/10.3390/molecules27061816>
- Chua, L. S., Latiff, N. A., & Mohamad, M. (2016). Reflux extraction and cleanup process by column chromatography for high yield of andrographolide enriched extract. *Journal of Dermatological Science*, 1–7. <https://doi.org/10.1016/j.jarmap.2016.01.004>
- Cordón-Rosales, C., Beach, R., & Brogdon, W. (1990). Field evaluation of methods for estimating carbamate resistance in *Anopheles albimanus* mosquitos from a microplate assay for insensitive acetylcholinesterase. *Bulletin of the World Health Organization*, 68(3), 323–329.
- FARNSWORTH, N. R. (1966). Biological and Phytochemical Screening of Plants. *JOURNAL OF Pharmaceutical Sciences*, 55(3), 225–268.
- Febrianti, D. R., Mahrita, M., Ariani, N., Putra, A. M. P., & Noorcahyati, N. (2019). Uji Kadar Sari Larut Air Dan Kadar Sari Larut Etanol Daun Kumpai Mahung (*Eupatorium inulifolium* H.B.&K). *Jurnal Pharmascience*, 6(2), 19. <https://doi.org/10.20527/jps.v6i2.7346>
- Forestryana, D., & Arnida. (2020). PHYTOCHEMICAL SCREENINGS AND THIN LAYER CHROMATOGRAPHY ANALYSIS OF ETHANOL EXTRACT JERUJU LEAF (*HYDROLEA SPINOSA* L.) ARTICLE HISTORY. *Jurnal Ilmiah Farmako Bahari*, 11(2), 113–124. www.journal.uniga.ac.id
- Fransiska, A. N., Masyrofah, D., Marlian, H., Sakina, I. V., & Tyasna, P. S. (2021). IDENTIFIKASI SENYAWA TERPENOID DAN STEROID PADA BEBERAPA TANAMAN MENGGUNAKAN PELARUT N-HEKSAN. *Jurnal Health Sains*, 2(6), 6.
- Hassan, H. A., Allam, A. E., Abu-Baih, D. H., Mohamed, M. F. A., Abdelmohsen, U. R., Shimizu, K., Desoukey, S. Y., Hayallah, A. M.,

- Elrehany, M. A., Mohamed, K. M., & Kamel, M. S. (2020a). Isolation and characterization of novel acetylcholinesterase inhibitors from: *Ficus benghalensis* L. leaves. *RSC Advances*, *10*(60), 36920–36929. <https://doi.org/10.1039/d0ra06565j>
- Hassan, H. A., Allam, A. E., Abu-Baih, D. H., Mohamed, M. F. A., Abdelmohsen, U. R., Shimizu, K., Desoukey, S. Y., Hayallah, A. M., Elrehany, M. A., Mohamed, K. M., & Kamel, M. S. (2020b). Isolation and characterization of novel acetylcholinesterase inhibitors from: *Ficus benghalensis* L. leaves. *RSC Advances*, *10*(60), 36920–36929. <https://doi.org/10.1039/d0ra06565j>
- HUNG, T. M., NGOC, T. M., YOUNG, U. J., MIN, B. S., NA, M., & BAE, K. (2008). Anti-amnestic Activity of Pseudocoptisine from *Corydalis* Tuber. *Pharmaceutical Society of Japan*, *31*(January), 159–162.
- Ismail, J., Runtuwene, M. R., & Fatimah, F. (2012). PENENTUAN TOTAL FENOLIK DAN UJI AKTIVITAS ANTIOKSIDAN PADA BIJI DAN KULIT BUAH PINANG YAKI (*Areca vestiaria* Giseke). *Jurnal Ilmiah Sains*, *12*(2), 84. <https://doi.org/10.35799/jis.12.2.2012.557>
- Jayani, N. I. E., & Handojo, H. O. (2021). STANDARISASI SIMPLISIA DAUN TEMPUYUNG (SONCHI FOLIUM) HASIL BUDIDAYA di UBAYA TRAINING CENTER TRAWAS MOJOKERTO. *Journal of Pharmacy Science and Technology*, *1*(1), 68–79. <https://doi.org/10.30649/pst.v1i1.59>
- Jia, J., Wei, C., Jia, L., Tang, Y., Liang, J., Zhou, A., Li, F., Shi, L., & Doody, R. S. (2017). Efficacy and Safety of Donepezil in Chinese Patients with Severe Alzheimer's Disease: A Randomized Controlled Trial. *Journal of Alzheimer's Disease*, *56*(4), 1495–1504. <https://doi.org/10.3233/JAD-161117>
- Jmjm, C. F., & Birks, J. (2001). Physostigmine for dementia due to Alzheimer's disease (Review). *Cochrane Library*, *2*, 1–60. <https://doi.org/10.1002/14651858.CD001499>. www.cochranelibrary.com

- Karmakar, A., Ambure, P., Mallick, T., Das, S., Roy, K., & Begum, N. A. (2019). Exploration of synthetic antioxidant flavonoid analogs as acetylcholinesterase inhibitors: an approach towards finding their quantitative structure–activity relationship. *Medicinal Chemistry Research*, 28(5), 723–741. <https://doi.org/10.1007/s00044-019-02330-8>
- Kemenkes, R. (2017). *FARMAKOPE HERBAL INDONESIA*. Kementerian Kesehatan RI.
- Khan, H., Amin, S., Ajmal, M., & Patel, S. (2018). Flavonoids as acetylcholinesterase inhibitors: Current therapeutic standing and future prospects. *Biomedicine & Pharmacotherapy*, 101(October 2017), 860–870. <https://doi.org/10.1016/j.biopha.2018.03.007>
- Kurnia, D., Rohmah, D., & Anggraeni, V. J. (2022). Antioxidant activity using the cuprac method and determination of total phenolate content in the extract and fraction of macroalgae *Eucheuma cottonii*. *Jurnal Agrotek Ummat*, 9(4), 298–309.
- Kurniawati, R. D., Martini, M., Wahyuningsih, N. E., & Sutuningsih, D. (2022). Comparison analysis of leaf and flower extraction of clove which have the potential as larvacida. *International Research Journal of Public and Environmental Health*, 9, 110–119.
- Kusnadi, E. T. D. (2020). ISOLASI DAN IDENTIFIKASI SENYAWA FLAVANOID PADA EKSTRAK DAUN SELEDRI (*Apium graveolens* L.) DENGAN METODE REFLUKS. *Pancasakti Science Education Journal*, 5(9), 4–11.
- Luo, Q., Yue, X., Jin, J., Tang, K., Xu, C., Ren, H., Wang, N., Yuan, Fenggang., Xiang, X., Sun, P., & Wan, Q. (2019). *Method for testing content of phenolic gel*.
- Madav, Y., Wairkar, S., & Prabhakar, B. (2019). Recent therapeutic strategies targeting beta amyloid and tauopathies in Alzheimer ' s disease. *Brain*

Research Bulletin, 146(December 2018), 171–184.
<https://doi.org/10.1016/j.brainresbull.2019.01.004>

Manurung, H., Kustiawan, W., Kusuma, I. W., & Marjenah. (2017). Total flavonoid content and antioxidant activity in leaves and stems extract of cultivated and wild tabat barito (*Ficus deltoidea* Jack). *AIP Conference Proceedings*, 1813(January 2018). <https://doi.org/10.1063/1.4975945>

Mappa, T., Edy, H. J., & Kojong, N. (2013). FORMULASI GEL EKSTRAK DAUN SASALADAHAN (*Peperomia pellucida* (L.) H. B. K.) DAN UJI EFEKTIVITASNYA TERHADAP LUKA BAKAR PADA KELINCI (*Oryctolagus Cuniculus*). *Jurnal Ilmiah Farmasi*, 2(02), 49–56.

Marucci, G., Buccioni, M., Dal, D., Lambertucci, C., Volpini, R., & Amenta, F. (2021). Neuropharmacology Efficacy of acetylcholinesterase inhibitors in Alzheimer's disease. *Neuropharmacology*, 190, 108352. <https://doi.org/10.1016/j.neuropharm.2020.108352>

Mukhriani. (2014). Ekstraksi, pemisahan senyawa, dan identifikasi senyawa aktif. *Jurnal Kesehatan*, VII(2), 361–367.

Ningtyas, R. H., & Erwiyani, A. R. (2023). Formulasi dan Uji Stabilitas Fisik Sediaan Permen Jeli Ekstrak Wortel (*Daucuscarota* L.). *Indonesian Journal of Pharmacy and Natural Product*, 6(01), 15–23. <https://doi.org/10.35473/ijpnp.v6i01.2223>

Nisa, K. M., & Lisiswanti, R. (2016). Faktor Risiko Demensia. *Majority*, 5(4), 86–87. <http://juke.kedokteran.unila.ac.id/index.php/majority/article/view/890>

Nuria, M. C., Sukandar, E. Y., & Suganda, A. G. (2019). Aktivitas inhibisi asetilkolinesterase empat jenis sayuran secara in vitro. *Jurnal Ilmu Farmasi dan Farmasi Klinik (JIFFK)*, 16(1), 43–50.

Primaniar, P. (2020). *Cholinesterase Inhibitors Sebagai Terapi Dementia Tipe Alzheimer'S*. 15–29.

- Putri, D. ., & Lubis, S. . (2020). Skrining fitokimia ekstrak etil asetat daun kelayu (*Erioglossum rubiginosum* (Roxb.) Blum). *Jurnal Amina*, 2(3), 120–126.
- Putri, W. S., Warditiani, N. K., & Larasanty, L. P. . (2018). SKRINING FITOKIMIA EKSTRAK ETIL ASETAT KULIT BUAH MANGGIS (*Garcinia mangostana* L.). *Jurnal Farmasi Udayana*, 2(4), 56–60.
- Reiza, I. A., Rijai, L., & Mahmudah, F. (2019). Skrining Fitokimia Ekstrak Etanol Kulit Nanas (*Ananas comosus* (L.) Merr). *Proceeding of Mulawarman Pharmaceuticals Conferences*, 10, 104–108. <https://doi.org/10.25026/mpc.v10i1.371>
- Sahoo, A. K., Dandapat, J., Dash, U. C., & Kanhar, S. (2018). Features and outcomes of drugs for combination therapy as multi-targets strategy to combat Alzheimer's disease. *Journal of Ethnopharmacology*, 215(May 2017), 42–73. <https://doi.org/10.1016/j.jep.2017.12.015>
- Santosa, D., & Priya Haresmita, P. (2015). PENENTUAN AKTIVITAS ANTIOKSIDAN *Garcinia dulcis* (Roxb.) Kurz, *Blumeamollis* (D.Don)Merr., *Siegesbeckia orientalis* L., DAN *Salvia riparia* H.B.K YANG DIKOLEKSI DARI TAMAN NASIONAL GUNUNG MERAPI DENGAN METODE DPPH(2,2-DIFENIL-1-PIKRIL-HIDRAZIL) SERTA PROFIL . *Traditional Medicine Journal*, 20(1), 2015.
- Saputra, D. A., Rahman, A., & Kusumawati, I. (2015). Aktivitas Penghambat Asetilkolinesterase Ekstrak Etanol 96% Daun. *Jurnal Farmasi dan Ilmu Kefarmasian Indonesia*, 2(1), 31–33.
- Scheltens, P., De Strooper, B., Kivipelto, M., Holstege, H., Chételat, G., Teunissen, C. E., Cummings, J., & van der Flier, W. M. (2021). Alzheimer's disease. *The Lancet*, 397(10284), 1577–1590. [https://doi.org/10.1016/S0140-6736\(20\)32205-4](https://doi.org/10.1016/S0140-6736(20)32205-4)
- Shafaei, A., Muslim, N. S., Nassar, Z. D., Aisha, F. A., Malik, A., Abdul, S., & Ismail, Z. (2014). Antiangiogenic Effect of *Ficus deltoidea* Jack Standardised

Leaf Extracts. *Tropical Journal of Pharmaceutical Research*, 13(May), 761–768.

Singleton, V. L., & Rossi, J. A. (1965). Colorimetry of Total Phenolics with Phosphomolybdic-Phosphotungstic Acid Reagents. *American Journal of Enology and Viticulture*, 16(3), 144–158. <https://doi.org/10.5344/ajev.1965.16.3.144>

Suwartini, L., Yanti, N., & Efrinalia, W. (2021). Optimasi kondisi pengujian senyawa Flavonoid Total di dalam ekstrak tanaman sebagai pengayaan bahan ajar praktikum Makromolekul dan Hasil Alam di Laboratorium Kimia Organik. *Jurnal Penelitian Sains*, 23(1), 28. <https://doi.org/10.56064/jps.v23i1.621>

Tae Kyun Kim. (2017). Understanding one-way anova using conceptual figures. *Korean Journal of Anesthesiology*, 70(1), 22–26. <https://doi.org/10.4097/kjae.2017.70.1.22>

Tommy, M., Putra Pratama, N., & Purnomo Sari, K. R. (2022). Perbandingan Kadar Total Fenolik dan Flavonoid Ekstrak Etanol Daun, batang, dan Akar Kirinyuh (*Chromolaena odorata* L.) dengan Menggunakan Metode Spektrofotometri UV-Vis. *Jurnal Pharmacia Mandala Waluya*, 1(5), 217–231. <https://doi.org/10.54883/28296850.v1i5.173>

Tri, Y., Reubun, A., Kumala, S., & Setyahadi, S. (2020). Penghambatan Enzim Asetilkolinesterase dari Ekstrak Herba Pegagan (*Centella asiatica* (L.) Urb), Ekstrak Daun Kelor (*Moringa oleifera* Lam.) dan Kombinasinya Inhibition of Acetylcholinesterase by Extracts of Gotu Kola (*Centella asiatica* (L.) Urb),. *Farmasi Indonesia*, 17(02), 451–458.

Tri, Y., Reubun, A., Kumala, S., Setyahadi, S., & Simanjuntak, P. (2021). Penghambatan Enzim Asetilkolinesterase Pada Penyakit Alzheimer Dari Ekstrak Etanol Daun Kelor (*Moringa oleifera* Lam.) Inhibition of Acetylcholinesterase Enzymes in Alzheimer's Disease from Ethanolic Extract of Moringa Leaves (*Moringa oleifera* Lam.). *Farmasi Indonesia*,

18(1), 64–73.

- Wandira, A., Cindiansya, Rosmayati, J., Anandari, R. F., Naurah, S. A., & Fikayuniar, L. (2023). Menganalisis Pengujian Kadar Air Dari Berbagai Simplisia Bahan Alam Menggunakan Metode Gravimetri. *Jurnal Ilmiah Wahana Pendidikan*, 9(September), 190–193. <https://doi.org/https://doi.org/10.5281/zenodo.8299996>.
- Warnis, M., Salsabila, J., & Rulianti, M. R. (2021). PEMERIKSAAN RENDEMEN, KADAR SARI LARUT AIR, DAN KADAR SARI LARUT ETANOL DARI EKSTRAK BATANG BROTOWALI. *Jurnal Kesehatan Pharmasi (JKPharm)*, 3(2), 118–123.
- Zhang, Q. W., Lin, L. G., & Ye, W. C. (2018). Techniques for extraction and isolation of natural products : a comprehensive review. *Chinese Medicine*, 1–26. <https://doi.org/10.1186/s13020-018-0177-x>
- Zhang, Z., Yang, X., & Li, W. (2022). Comparative chloroplast genome analysis of Ficus (Moraceae): Insight into adaptive evolution and mutational hotspot regions. *Frontiers in Plant Science*, 1(September), 1–17. <https://doi.org/10.3389/fpls.2022.965335>
- Zhao, H., Zhou, S., Zhang, M., Feng, J., Wang, S., Wang, D., Geng, Y., & Wang, X. (2016). Journal of Pharmaceutical and Biomedical Analysis An in vitro AChE inhibition assay combined with UF-HPLC-ESI-Q-TOF / MS approach for screening and characterizing of AChE inhibitors from roots of Coptis chinensis Franch. *Journal of Pharmaceutical and Biomedical Analysis*, 120, 235–240. <https://doi.org/10.1016/j.jpba.2015.12.025>