DAFTAR PUSTAKA

Ahmad, R., Duryee, M.J., Chandan, S., Dhawan, P., Singh, S., Thiele, G.M., Singh, A.B., 2019. Su1913 – Anti-Maa (Malondialdehyde-Acetaldehyde Adducts) Immunoglobulin Isotypes in Inflammatory Bowel Disease - Novel Diagnostic Implications for Ulcerative Colitis. Gastroenterology 156, S-657-S-658. https://doi.org/10.1016/S0016-5085(19)38550-6

Ai, X.-Y., Qin, Y., Liu, H.-J., Cui, Z.-H., Li, M., Yang, J.-H., Zhong, W.-L., Liu, Y.-R., Chen, S., Sun, T., Zhou, H.-G., Yang, C., 2017. Apigenin inhibits colonic inflammation and tumorigenesis by suppressing STAT3-NF-κB signaling. Oncotarget 8, 100216–100226. https://doi.org/10.18632/oncotarget.22145

Al-Hassani, Z.K.K., Naji, H.F., 2016. Isolation and Molecular Identification of Some Enterobacteriaceae Genera that Forming Biofilms on Intrauterine Devices by Polymerase Chain Reaction.

Armstrong, H., Alipour, M., Valcheva, R., Bording-Jorgensen, M., Jovel, J., Zaidi, D., Shah, P., Lou, Y., Ebeling, C., Mason, A.L., Lafleur, D., Jerasi, J., Wong, G.K.-S., Madsen, K., Carroll, M.W., Huynh, H.Q., Dieleman, L.A., Wine, E., 2019. Host immunoglobulin G selectively identifies pathobionts in pediatric inflammatory bowel diseases. Microbiome 7, 1. https://doi.org/10.1186/s40168-018-0604-3

Baldelli, V., Scaldaferri, F., Putignani, L., Del Chierico, F., 2021. The Role of Enterobacteriaceae in Gut Microbiota Dysbiosis in Inflammatory Bowel Diseases. Microorganisms 9, 697. https://doi.org/10.3390/microorganisms9040697

Burri, E., Maillard, M.H., Schoepfer, A.M., Seibold, F., Van Assche, G., Rivière, P., Laharie, D., Manz, M., on behalf of the Swiss IBDnet, an official working group of the Swiss Society of Gastroenterology, 2020. Treatment Algorithm for Mild and Moderate-to-Severe Ulcerative Colitis: An Update. Digestion 101, 2–15. https://doi.org/10.1159/000504092

Chassaing, B., Aitken, J.D., Malleshappa, M., Vijay-Kumar, M., 2014. Dextran Sulfate Sodium (DSS)-Induced Colitis in Mice. Current Protocols in Immunology 104. https://doi.org/10.1002/0471142735.im1525s104

de Souza, H.S.P., Fiocchi, C., 2016. Immunopathogenesis of IBD: current state of the art. Nat Rev Gastroenterol Hepatol 13, 13–27. https://doi.org/10.1038/nrgastro.2015.186

Derouich, M., Bouhlali, E.D.T., Bammou, M., Hmidani, A., Sellam, K., Alem, C., 2020. Bioactive Compounds and Antioxidant, Antiperoxidative, and Antihemolytic Properties Investigation of Three *Apiaceae* Species Grown in the Southeast of Morocco. Scientifica 2020, 1–10. https://doi.org/10.1155/2020/3971041

Eeckhaut, V., Machiels, K., Perrier, C., Romero, C., Maes, S., Flahou, B., Steppe, M., Haesebrouck, F., Sas, B., Ducatelle, R., Vermeire, S., Van Immerseel, F., 2013. *Butyricicoccus pullicaecorum* in inflammatory bowel disease. Gut 62, 1745–1752. https://doi.org/10.1136/gutjnl-2012-303611

Eichele, D.D., Kharbanda, K.K., 2017. Dextran sodium sulfate colitis murine model: An indispensable tool for advancing our understanding of inflammatory bowel diseases pathogenesis. WJG 23, 6016–6029. https://doi.org/10.3748/wjg.v23.i33.6016

Emad, A.M., Ali, S.F., Abdel-Rahman, E.A., Meselhy, M.R., Farag, M.A., Ali, S.S., Abdel-Sattar, E.A., 2020. Anti-inflammatory and antioxidant effects of *Apium graveolens* L. extracts mitigate against fatal acetaminophen-induced acute liver toxicity. J. Food Biochem. 44. https://doi.org/10.1111/jfbc.13399

Eroschenko, V.P., 2012. Atlas Histologi diFiore. EGC, Jakarta.

Eskandrani, A.A., 2021. Effect of supplementing fava bean (Vicia faba L.) on ulcerative colitis and colonic mucosal DNA content in rats fed a high-sucrose diet. Saudi Journal of Biological Sciences 28, 3497–3504. https://doi.org/10.1016/j.sjbs.2021.03.017

Fazzeli, H., Arabestani, M.R., Esfahani, B.N., Khorvash, F., Pourshafie, M.R., Moghim, S., Safaei, H.G., Faghri, J., Narimani, T., 2012. Development of PCR-based method for detection of Enterobacteriaceae in septicemia. Journal of Research in Medical Sciences.

Frank, D.N., Robertson, C.E., Hamm, C.M., Kpadeh, Z., Zhang, T., Chen, H., Zhu, W., Sartor, R.B., Boedeker, E.C., Harpaz, N., Pace, N.R., Li, E., 2011. Disease phenotype and genotype are associated with shifts in intestinal-associated microbiota in inflammatory bowel diseases: Inflammatory Bowel Diseases 17, 179–184. https://doi.org/10.1002/ibd.21339

Friedman, A., Claypool, S., Liu, R., 2013. The Smart Targeting of Nanoparticles. CPD 19, 6315–6329. https://doi.org/10.2174/13816128113199990375

Griffin, S., Masood, M., Nasim, M., Sarfraz, M., Ebokaiwe, A., Schäfer, K.-H., Keck, C., Jacob, C., 2017. Natural Nanoparticles: A Particular Matter Inspired by Nature. Antioxidants 7, 3. https://doi.org/10.3390/antiox7010003

Handayani, L., Widowati, L., 2020. Analisis Lanjut Pemanfaatan Empiris Ramuan Seledri (Apium graveolens L) oleh Penyehat Tradisional. jki 31–41. https://doi.org/10.22435/jki.v10i1.1718

Handoko, T., 2015. Pengaruh Terapi Ekstrak Etanol Akar Seledri (Apium Graveolens) Terhadap Aktivitas Protease Dan Gambaran Histopatologi Jejunum Tikus (Rattus Norvegicus) Model IBD (Inflammatory Bowel Disease) Hasil In. Sarjana thesis, Universitas Brawijaya.

Hansen, I.S., Baeten, D.L.P., den Dunnen, J., 2019. The inflammatory function of human IgA. Cell. Mol. Life Sci. 76, 1041–1055. https://doi.org/10.1007/s00018-018-2976-8

Hostetler, G., Riedl, K., Cardenas, H., Diosa-Toro, M., Arango, D., Schwartz, S., Doseff, A.I., 2012. Flavone deglycosylation increases their anti-inflammatory activity and absorption. Mol. Nutr. Food Res. 56, 558–569. https://doi.org/10.1002/mnfr.201100596

Jeengar, M.K., Thummuri, D., Magnusson, M., Naidu, V.G.M., Uppugunduri, S., 2017. Uridine Ameliorates Dextran Sulfate Sodium (DSS)-Induced Colitis in Mice. Sci Rep 7, 3924. https://doi.org/10.1038/s41598-017-04041-9

Jing, M., Wang, Y., Xu, L., 2019. Andrographolide Derivative AL-1 Ameliorates Dextran Sodium Sulfate-Induced Murine Colitis by Inhibiting NF- κ B and MAPK Signaling Pathways. Oxidative Medicine and Cellular Longevity 2019, 1–18. https://doi.org/10.1155/2019/6138723

Kiesler, P., Fuss, I.J., Strober, W., 2015. Experimental Models of Inflammatory Bowel Diseases. Cellular and Molecular Gastroenterology and Hepatology 1, 154–170. https://doi.org/10.1016/j.jcmgh.2015.01.006

Kooti, W., Daraei, N., 2017. A Review of the Antioxidant Activity of Celery (*Apium graveolens* L). J Evid Based Complementary Altern Med 22, 1029–1034. https://doi.org/10.1177/2156587217717415

Lansdown, R.V., 2013. Apium graveolens: Lansdown, R.V.: The IUCN Red List of Threatened Species 2013: e.T164203A13575099. https://doi.org/10.2305/IUCN.UK.2013-1.RLTS.T164203A13575099.en

Lynch W.D., Hsu R., 2020. Ulcerative Colitis, In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2020 Jan-. Available from: https://www.ncbi.nlm.nih.gov/books/NBK459282/

Martien, R., Irianto, I.D.K., Farida, V., Sari, P., 2012. Perkembangan Teknologi Nanopartikel Sebagai Sistem Penghantaran Obat.

Mescher, A.L., 2011. Histologi Dasar Junoueira Teks & Atlas. EGC, Jakarta.

Minaiyan, M., Ghanadian, S. M., & Hossaini, M., 2021. Protective Effect of Apium graveolens L. (Celery) Seeds Extracts and Luteolin on Acetic Acid-Induced Colitis in Rats. International journal of preventive medicine, 12,100.https://doi.org/10.4103/ijpvm.IJPVM_651_20.

Minaiyan, M., Asghari, G., Taheri, D., Saeidi, M., & Nasr-Esfahani, S., 2014. Antiinflammatory effect of Moringa oleifera Lam. seeds on acetic acid-induced acute colitis in rats. Avicenna journal of phytomedicine, *4*(2), 127–136.

Mohanraj, V.J., Chen, Y., 2007. Nanoparticles - A review. Trop. J. Pharm Res 5, 561–573. https://doi.org/10.4314/tjpr.v5i1.14634

Morgan, X.C., Tickle, T.L., Sokol, H., Gevers, D., Devaney, K.L., Ward, D.V., Reyes, J.A., Shah, S.A., LeLeiko, N., Snapper, S.B., Bousvaros, A., Korzenik, J., Sands, B.E., Xavier, R.J., Huttenhower, C., 2012. Dysfunction of the intestinal microbiome in inflammatory bowel disease and treatment. Genome Biol 13, R79. https://doi.org/10.1186/gb-2012-13-9-r79

Musthaba, S.M., Baboota, S., Ahmed, S., Ahuja, A., Ali, J., 2009. Status of novel drug delivery technology for phytotherapeutics. Expert Opinion on Drug Delivery 6, 625–637. https://doi.org/10.1517/17425240902980154

Nagavarma, B.V.N., Yadav, H.K., Ayaz, A., Vasudha, L.S., Shivakumar, H.G., 2012. Different techniques for preparation of polymeric nanoparticles—a review. Asian J Pharm Clin Res.;5(3):16–23.

Nascimento, R. de P. do, Machado, A. P. da F., Galvez, J., Cazarin, C. B. B., & Maróstica Junior, M. R. (2020). Ulcerative colitis: Gut microbiota,

immunopathogenesis and application of natural products in animal models. Life Sciences, 118129. https://doi.org/10.1016/j.lfs.2020.118129

Ni, J., Gary, D,W,, Albenberg, L., Tomov, V.T., 2017. Gut microbiota and IBD: causation or correlation?. Nat Rev Gastroenterol Hepatol. 14 (10): 573-584.

Nisa, U., 2018. Pengadaan Bahan yang Baik, Ketepatan Dosis dan Monitoring Efek Samping Merupakan Langkah untuk Mendapatkan Obat Herbal yang Berkualitas. Proc. Mul. Pharm. Conf. 7, 32–36. https://doi.org/10.25026/mpc.v7i1.288

Okai, S., Usui, F., Yokota, S., Hori-i, Y., Hasegawa, M., Nakamura, T., Kurosawa, M., Okada, S., Yamamoto, K., Nishiyama, E., Mori, H., Yamada, T., Kurokawa, K., Matsumoto, S., Nanno, M., Naito, T., Watanabe, Y., Kato, T., Miyauchi, E., Ohno, H., Shinkura, R., 2016. High-affinity monoclonal IgA regulates gut microbiota and prevents colitis in mice. Nat Microbiol 1, 16103. https://doi.org/10.1038/nmicrobiol.2016.103

Powanda, Michael C., Whitehouse, Michael W., Rainsford, K.D., 2015. Celery Seed and Related Extracts with Antiarthritic, Antiulcer, and Antimicrobial Activities, in: Rainsford, K.D., Powanda, M. C., Whitehouse, M. W. (Eds.), Novel Natural Products: Therapeutic Effects in Pain, Arthritis and Gastro-Intestinal Diseases, Progress in Drug Research. Springer Basel, Basel, pp. 133–153. https://doi.org/10.1007/978-3-0348-0927-6_4

Rashidian, A., Dejban, P., Karami Fard, K., Abdollahi, A., Chamanara, M., Dehpour, A., Hasanvand, A., 2020. Bupropion Ameliorates Acetic Acid–Induced Colitis in Rat: the Involvement of the TLR4/NF-kB Signaling Pathway. Inflammation 43, 1999–2009. https://doi.org/10.1007/s10753-020-01273-2

Sadraei, H., Asghari, G., Khanabadi, M., Minaiyan, M., 2017. Anti-inflammatory effect of apigenin and hydroalcoholic extract of Dracocephalum kotschyi on acetic acid-induced colitis in rats. Res Pharma Sci 12, 322. https://doi.org/10.4103/1735-5362.212050

Sherwood, L., 2013. Introduction to human physiology. Nelson Education, Canada, pp. 165, 204–206.

Sommer, F., Anderson, J.M., Bharti, R., Raes, J., Rosenstiel, P., 2017. The resilience of the intestinal microbiota influences health and disease. Nat Rev Microbiol 15, 630–638. https://doi.org/10.1038/nrmicro.2017.58

Syafruddin, S., Suriani, S., Nahdawati, N., Pakadang, S.R., 2018. Pengaruh Ekstrak Daun Keladi Tikus (Typhonium Flagelliforme) Terhadap Aktivitas Antimutagenik Pada Mencit (Mus Musculus) Dengan Menggunakan Metode Mikronukleus Assay. MF 14, 108. https://doi.org/10.32382/mf.v14i1.141

Treuting, P.M., Dintzis, S.M., 2012. Comparative Anatomy and Histology A Mouse and Human Atlas. Academic Press, USA, pp. 166–173.

Walujkar, S.A., Dhotre, D.P., Marathe, N.P., Lawate, P.S., Bharadwaj, R.S., Shouche, Y.S., 2014. Characterization of bacterial community shift in human Ulcerative Colitis patients revealed by Illumina based 16S rRNA

gene amplicon sequencing. Gut Pathog 6, 22. https://doi.org/10.1186/1757-4749-6-22

Widyowati, R., Agil, M., 2018. Chemical Constituents and Bioactivities of Several Indonesian Plants Typically Used in Jamu. Chem. Pharm. Bull. 66, 506–518. https://doi.org/10.1248/cpb.c17-00983

Yamada, T., 2005. Inflammatory Bowel Disease. Handbook of Gastroenterology. Lippincott Williams & Wilkins, Philadelphia, pp. 357–73.

Yang, M., Cao, L., Xie, M., Yu, Y., Kang, R., Yang, L., Zhao, M., Tang, D., 2013. Chloroquine inhibits HMGB1 inflammatory signaling and protects mice from lethal sepsis. Biochemical Pharmacology 86, 410–418. https://doi.org/10.1016/j.bcp.2013.05.013

Yang, Y., Palm, N.W., 2020. Immunoglobulin A and the microbiome. Current Opinion in Microbiology 56, 89–96. https://doi.org/10.1016/j.mib.2020.08.003

Zhang, J., Lei, H., Hu, X., Dong, W., 2020. Hesperetin ameliorates DSS-induced colitis by maintaining the epithelial barrier via blocking RIPK3/MLKL necroptosis signaling. European Journal of Pharmacology 873, 172992. https://doi.org/10.1016/j.ejphar.2020.172992

Zhang, M., Viennois, E., Prasad, M., Zhang, Y., Wang, L., Zhang, Z., Han, M.K., Xiao, B., Xu, C., Srinivasan, S., Merlin, D., 2016. Edible ginger-derived nanoparticles: A novel therapeutic approach for the prevention and treatment of inflammatory bowel disease and colitis-associated cancer. Biomaterials 101, 321–340. https://doi.org/10.1016/j.biomaterials.2016.06.018

Zhang, Y.-Z., 2014. Inflammatory bowel disease: Pathogenesis. WJG 20, 91. https://doi.org/10.3748/wjg.v20.i1.91