

DAFTAR PUSTAKA

- Agarwal, S., Karthik, K. (2023). *Histology, Skin*. StatPearls Publishing.
- Andriani, D., Ovikariani., Eka, W, K. (2024). Formulasi Sediaan Patch Transdermal Ekstrak Daun Belimbing Wuluh (*Averrhoa bilimbi* L.) dan Uji Aktivitas Antipiretik. *Cendekia Journal of Pharmacy*, 8(3), 254-264.
- Angelia, T., Wa, O, Y., Ratna, U, N. (2022). Formulasi dan Uji Aktivitas Antijerawat Sediaan Salep dari Ekstrak Etanol Buah Alpukat (*Persea americana* Mill.) Terhadap Bakteri *Propionibacterium acnes*. *Jurnal Pharmacia Mandala Waluya*, 1(3), 145-157.
- Ardhany, S, D., Susi, N., Mohammad, R, D, P., Zulkhurnain, U. (2021). Irritation Test of Bawang Dayak (*Eleutherine bulbosa* (Mill.) Urb.) Extract Cream With Human Patch Test Method. *Jurnal Farmasi Sains dan Praktis*, 7(1), 74-80.
- Arziyah, D., Lisa, Y., Ruri, W. (2022). Analisis Mutu Organoleptik Sirup Kayu Manis Dengan Modifikasi Perbandingan Konsentrasi Gula Aren dan Gula Pasir. *Jurnal Hasil Penelitian dan Pengkajian Ilmiah Eksakta*, 1(2), 105-109.
- Astiah, A, A., Sudarsono., Resliana. (2024). Hubungan Penggunaan BB Cream (Blemish Balm Cream) Dengan Derajat Keparahan Akne Vulgaris Pada Siswi SMA Negeri 03 Batam Tahun 2023. *Zona Kedokteran*, 14(3), 224-233.
- BPOM. (2023). Pedoman Uji Stabilitas Suplemen Kesehatan. [https://standar-otskk.pom.go.id/storage/uploads/f3b1e759-11ce-410b-9c28-2c3902005a4c/Draft.Ranc.PerBPOM_Ped.Stabilitas.SK-Konblik.pdf#:~:text=Uji%20Stabilitas%20Jangka%20Panjang%20\(Real,\(at au%20disetujui\)%20pada%20penandaan](https://standar-otskk.pom.go.id/storage/uploads/f3b1e759-11ce-410b-9c28-2c3902005a4c/Draft.Ranc.PerBPOM_Ped.Stabilitas.SK-Konblik.pdf#:~:text=Uji%20Stabilitas%20Jangka%20Panjang%20(Real,(at au%20disetujui)%20pada%20penandaan.). Diakses pada tanggal 3 Oktober 2024.
- Chaudhuri, R, K., Francois, M. (2011). Bakuchiol in The Management of Acne-Affected Skin. *Cosmetics & Toiletries Magazine*, 126 (7), 502-510.
- Chen, L., Shuguang, C., Peng, S., Xinyue, L., Zhaoshuang, Z., Jiafeng, W. (2023). *Psoralea corylifolia* L.: A Comprehensive Review of Its Botany, Traditional

- Uses, Phytochemistry, Pharmacology, Toxicology, Quality Control, and Pharmacokinetics. *Chinese Medicine*, 18(4), 1-38.
- Chen, Y., Yunfei, C., Ken, W., Yousheng, W. (2023). Bioactive Compounds in Sea Buckthorn and Their Efficacy in Preventing and Treating Metabolic Syndrome. *Foods*, 12(1985), 1-25. <https://doi.org/10.3390/foods12101985>.
- Ding, D., Chao, L., Yang, Z., Wenwen, X., Yu, C., Ting, Z., Liang, F. (2023). Mechanistic Insights of Different Release Behaviors Dominated by Drug Physicochemical Properties in Polyisobutylene Pressure Sensitive Adhesive. *International Journal of Pharmaceutics*, 630(5), 122416.
- Dubey, R, K., Satyam, S., Vaishnavi, S., Sumit, S. (2023). Sea Buckthorn: A Potential Dietary Supplement with Multifaced Therapeutic Activities. *Intelligent Pharmacy*. <https://doi.org/10.1016/j.ipha.2023.12.003>.
- Dudau, M., Elena, C., Isabela, T., Simona, M., Ionela, D, P., Lucian, Al., Nicoleta, C., Iulia, C., Teodor, C., Dan, R., Ana, M, E., Mihail, E, H., Cristiana, T. (2021). A Fatty Acid Fraction Purified From Sea Buckthorn Seed Oil Has Regenerative Properties on Normal Skin Cells. *Frontiers in Pharmacology*, 12, 1-10. Doi: <https://doi.org/10.3389/fphar.2021.737571>.
- Febrian, M, P., Lutfi, C., Zahrotun, N. (2022). Silicone-Based Pressure Sensitive Adhesive (PSA) on Transdermal Patch Delivery System. *Eur.Chem.Bull*, 11(10), 106-111.
- Febriyanto, G., Sandra, D., Yulia., Devy, O. (2025). Uji Aktivitas Antibakteri Fraksi Etanol Daun Pegagan (*Centella asiatica* L.) Terhadap Bakteri Penyebab Jerawat (*Propionibacterium acne*). *Jurnal Ilmiah Farmasi*, 14(1), 59-64.
- Feix, T., Aseel, A, F., Dennis, T. (2024). Leaching of Catalyst Platinum from Cured Silicone Elastomers: A Preliminary for Comparing Reagents. *Hydrometallurgy*, 225(106283).
- Geng, Z., Jun, W., Lichun, Z., Xianlong, Y., Qian, Z., Mengqi, L., Bin, H., Xuhai, Y. (2023). Metabolomics Provide a Novel Interpretation of The Changes in Flavonoids During Sea Buckthorn (*Hippophae rhamnoides* L.). *Food Chemistry*, 413(2023). <https://doi.org/10.1016/j.foodchem.2023.135598>.

- Handayani., Irma, P., Roland, H., Letvi, M. (2024). The Relationship Between The Menstrual Cycle and The Incidence of Acne Vulgaris in Female Students at The Faculty of Medicine, Baiturrahmah University Padang Class of 2022. *Sriwijaya Journal of Medicine*, 7(1), 1-7.
- Hijri, M, F, A., Wipsar, S, B, D. (2021). Sintesis Carbon Nanodots Berbahan Dasar Limbah Padat Tanaman Kayu Putih Sebagai Antibakteri *Staphylococcus aureus*. *Jurnal Ilmu Fisika dan Terapannya*, 8(2), 36-42.
- Hikma, N., Budiman, Y., Nur, K., Marwati., Patricia, P. (2024). Pengaruh Propilenglikol Terhadap Formulasi dan Karakteristik Fisik Sediaan Patch Ekstrak Etanol Daun Inggu (*Ruta angustifolia* L.Pers). *Jurnal Riset Kefarmasian Indonesia*, 6(2), 378-391.
- Intan, K., Aliansy, D., Aeni, S, R, N. (2021). Aktivitas Antibakteri Kayu Manis (*Cinnamomum burmanii*) Terhadap Pertumbuhan *Staphylococcus aureus*. *Jurnal Kesehatan Perintis*, 8(2), 121-127.
- Jones, B. (2023). What is the Hypodermis. <https://www.verywellhealth.com/the-hypodermis-is-the-lowermost-layer-of-skin-2710144>. Diakses pada tanggal 9 September 2024.
- Kabakoran, J, F., Amelia, N., Mustamar, Y. (2022). Uji Aktivitas Antibakteri Ekstrak Etanol Daun Turi (*Sesbania grandiflora* L) Terhadap Pertumbuhan *Staphylococcus aureus* dengan Metode Cakram. *Jurnal Ilmiah Kedokteran dan Kesehatan*, 1(2), 126-141.
- Kapao, N., Wassanai, W. (2018). Development of Natural Acne Patch from Local Materials Using Quality Function Deployment Technique. *MATEC Web of Conferences* 192, 01050 (2018). <https://doi.org/10.1051/matecconf/201819201050>.
- Karmilah., Reymon., Nur, S, D., Esti, B., Agung, W, M, Y., Muhammad, A, S., Selfyana, A, T., Musdalipah. (2023). Aktivitas Antibakteri Rimpang *Meistera chinensis* Terhadap Bakteri *Staphylococcus aureus* ATCC 25023 dan *Eschericia coli* ATCC 35218 Secara Difusi Agar. *Biota: Jurnal Ilmiah Ilmu-Ilmu Hayati*, 8(1), 10-18.

- Kaur, T., Deepak, N, K. (2018). Development and Evaluation of Sea Buckthorn (*Hippophae rhamnoides* L.) Seed Oil Nanoemulsion Gel for Wound Healing. *Pharmacognosy Magazine*, 14(58), 647-658.
- Kemenkes RI. (2024). Peran Clascoterone Pada Tatalaksana Akne Vulgaris. <https://kms.kemkes.go.id/contents/1723100462125-FIXKemenkesCoverTPClascoteroneformatbuku2.pdf>. Diakses pada tanggal 14 September 2024.
- Keri, J, E. (2024). *Acne vulgaris*. University of Miami. <https://www.msdmanuals.com/professional/dermatologic-disorders/acne-and-related-disorders/acne-vulgaris>. Diakses pada tanggal 9 September 2024.
- Kern, D. (2023). *How Do Acne Lesions Heal?* Retrieved from: <https://incidecoder.com/products/the-face-shop-the-therapy-oil-drop-anti-aging-serum>. Diakses pada tanggal 9 September 2024.
- Kuo, C, W., Yi, F, C., Min, H, W., Ming, H, L., Cheng, N, W., Wan, S, C., Chiung, H, H. (2021). Gelatin/ Chitosan Bilayer Patches Loaded with Cortex *Phellodendron amurense*/ *Centella asiatica* Extract for Anti Acne Application. *Polymers*, 13, 579.
- Kraft, J., Anatoli, F. (2011). Management of Acne. *Canadian Medical Association Journal*, 183(7), 430-435.
- Krishna, T, P, A., Baldev, E., Sunil, A. (2022). Bakuchiol- A Natural Metoterpenoid: Structure, Isolation, Synthesis, and Functionalization Approaches. *Royal Society of Chemistry*, 2022(12), 8815-8832. DOI: 10.1039/d1ra08771a.
- Lei, Y., Guobao, Y., Feng, D., Jiahe, Y., Liangzhu, Q., Hanhan, L., Xun, Z., Wei, G., Jing, H., Yuli, W. (2022). Formulation and Evaluation of a Drug-in-Adhesive Patch for Transdermal Delivery of Colchidine. *Pharmaceutics*, 14(10), 2245. Doi: <https://doi.org/10.3390/pharmaceutics14102245>.
- Lotfollahi, Z. (2024). The Anatomy, Physiology, and Function of All Skin Layers and The Impact of Ageing on Skin. *The Integumentary System*, 32(1), 6-10.

- Mandal, A., Clegg, J, R., Anselmo, A, C., Mitragotri, S. (2020). Hydrogels in The Clinic. *Bioengineering and Translational Medicine*, 5(2), <https://doi.org/10.1002/btm2.10158>.
- Marsinach, M, S., Cuenca, A, P. (2019). The Impact of Sea Buckthorn Oil Fatty Acids on Human Health. *BMC*, 18(2019), 145-156. <https://doi.org/10.1186/s12944-019-1065-9>.
- Mbithi, F., Peter, R, W. (2023). Adhesives For Medical Application- Peel Strength Testing and Evaluation of Biophysical Skin Response. *Journal of The Mechanical Behavior of Biomedical Materials*, 148(2023), 106168.
- Melo, F, M., Mariana, M, R., Kaveh, H, K., Sagarika, P., Kiran, D, P., Velsankar, K., Niraj, K, J., Fouad, D., Gustavo, C., Francisco, V., Ana, C, P, S. (2024). Comprehensive Review of The Skin Use of Bakuchiol: Physicochemical Properties, Sources, Bioactivities, Nanotechnology Delivery Systems, Regulatory and Toxicological Concerns. *Phytochemistry Reviews*, 15(6), 1-37. Doi:[https://doi.org/10.1007/s11101-024-09926-y\(0123456789\(\).,-volV\(\)0123458697\(\).,-volV\)](https://doi.org/10.1007/s11101-024-09926-y(0123456789().,-volV()0123458697().,-volV)).
- Monic, K. (2024). Formulasi dan Evaluasi Patch Untuk Luka Sayat Dengan Kandungan *Seaberry (Hippophae rhamnoides L.) Oil*. Skripsi. Sarjana Farmasi. Fakultas Ilmu Kesehatan. Universitas Pelita Harapan.
- Murphrey, M, B., Julia, H, M., Patrick, M, Z. (2022). *Histology, Stratum Corneum*. StatPearls Publishing.
- Nair, P, A., Haitham, M, S., Fransisco, J, S. (2024). *Acneiform Eruptions*. StartPearls.
- Nizam, N, N., Soheli, M., Mohammad, K. (2023). Bakuchiol, a Natural Constituent and Its Pharmacological Benefits. *F1000Research*, 2(12), 29.
- Novaryatiin, S., Muhammad, A, H., Syahrída, D, A. (2024). Aktivitas Antibakteri Ekstrak Etanol Kulit Batang Kayu Ulin Terhadap Bakteri Penyebab Jerawat. *Jurnal Kesehatan Bakti Tunas Husada*, 24(1), 9-20.
- Paepe, K, D., Wibaux, A., Ward, C., Rogiers, V. (2009). Skin Efficacy and Biophysical Assessment of Glycerol-Containing Hydrocolloid Patches. *Skin Pharmacol Physio*, 22(5), 258-265. Doi: 10.1159/000235553.

- Parveen, U., Sheeraz, A., Urooj, A, K. (2020). A Review on Ethno-Medical Uses, Phyto-Chemical, Constituents, and Pharmacological Evidence of *Psoralea corylifolia* Linn. (Babchi). *International Journal of Botany Studies*, 5(3), 538-543.
- Pribadhi, A, N., Sri, M., Ellyka, P. (2023). Aktivitas Antibakteri dari Bakteri Probiotik Dalam Melawan *Propionibacterium acnes* dan *Staphylococcus epidermidis*. *Jurnal Indobiosains*, 5(1), 1-7.
- Primadianti, A., Nofita., Davit, M, M. (2017). Uji Stabilitas Asetosal Bentuk Sediaan Tablet dan Tablet Salut Enterik. *Jurnal Analis Farmasi*, 2(3), 206-213.
- Puredia. (2020). Puredia Seaberry Seed Oil. <https://www.puredia.com/health-benefit/personal-care>. Diakses pada tanggal 11 September 2024.
- Purnamasari, N., Titta, H, S., Wulan, A., Amanda, K., Daffa, Q., Fikri, A. (2023). Karakteristik Fisik dan Laju Difusi in Vitro Sediaan Transdermal Patch Domperidon Menggunakan Polimer Turunan Metil Metakrilat-Asam Metakrilat. *Jurnal Kartika Kimia*, 6(2), 123-130.
- Putri, C, N., Wafi, D, Q., Fakhirah, B., Gusti, E, Y., Muchamad, K. (2024). Klasifikasi Jenis Jerawat pada Data Citra Jerawat Wajah Menggunakan Convolutional Neural Network. *Terapan Informatika Nusantara*, 5(2), 172-181.
- Putri, N., Raden, L, N, S, A, W., Atiqa, R., Sebastian, J., Deo, S, B, T. (2024). Study of Histological Skin Structure of *Python reticulatus* and *Varanus salvator*. *Jurnal Sains dan Teknologi Pertanian*, 5(2), 74-80.
- Putriana, N, A., Patihul, H., Soraya, R, M. (2024). Recent Advanced Bakuchiol Application as a Potential Alternative to Retinol in Skincare and Cosmetics. *Preprints: Review Article*. doi:10.20944/preprints202401.1378.
- Qothrunnadaa, T., Aliya, N, H. (2021). Patches For Acne Treatment: An Update on The Formulations and Stability Test. *International Journal of Applied Pharmaceutics*, 13(4), 21-26.

- Radchenko, A. V., Francois, G. (2022). Photocatalyzed Hydrosilylation in Silicone Chemistry. *Industrial and Engineering Chemistry Research*, 61(23), 7679-7698.
- Rajkowska, K., Emilia, R., Agata, C. (2024). Antibacterial Effect of Sea Buckthorn (*Hippophae rhamnoides* L.) Fruit Extract on Radish Seeds Prior to Sprouting. *Polish Journal of Food and Nutrition Sciences*, 74(2), 120-129.
- Ramadhan, P., Husni, M., Diky, P. (2018). Uji Aktivitas Antibakteri Ekstrak Etanol Daun Katuk (*Sauropus androgynus* L.) Terhadap Bakteri *Staphylococcus aureus* dan *Escherichia coli* Dengan Metode Difusi Agar. *Indonesia Natural Research Pharmaceutical Journal*, 2(2), 34-45.
- Ramadan, D., Maeliosa, T, C, M., Aaron, J, C., Ryan, F, D. (2021). Enhancement Strategies for Transdermal Drug Delivery Systems: Current Trends and Applications. *Drug Delivery and Translational Research*, 12(2022), 758-791.
- Ren, R., Nan, L., Chao, S., Yingli, W., Xiaojun, Z., Lingling, Y., Yanting, L., Bo, Z., Jianyu, C., Xueqin, M. (2020). The Bioactive Components as Well as The Nutritional and Health Effects of Sea Buckthorn. *Royal Society of Chemistry*, 10, 44654-44671. DOI: 10.1039/d0ra06488b.
- Rodriguez, E., Justin, F., Kathleen, C., Vivian, L., Alexandra, L., Marissa, R., Kelly, F. (2024). Use of Sea Buckthorn Oil in The Treatment of Skin Disease: Anti-Inflammatory Benefits, Clinical Applications, and Formulary Challenges. *Journal of Biosciences and Medicines*, 12(12), 271-284.
- Saputro, M, R., Yoga, W, W., Nasrul, W. (2021). Pengujian dan Peningkatan Stabilitas Sediaan Hidrogel dalam Sistem Penghantaran Obat. *Majalah Farmasetika*, 6(5), 421-435.
- Seo, J, K., Eun, J, S., Ki, H, J., Min, K, S. (2021). Clinician Severity Assessment Grading Scale on Erythematotelangiectatic Rosacea. *Indian J Dermatol*, 66(2), 203-205.
- She, A., Yating, L., Litian, J., Ruochen, L., Siyuan, H., Kaize, L., Yan, Z. (2024). Study on The Anti-Free Radical, Antibacterial, and Whitening Effects of Sea Buckthorn Extract and Its Product Development. *Journal of Dermatologic*

- Science and Cosmetic Technology*, 1(3), 1-23. Doi: <https://doi.org/10.1016/j.jdsct.2024.100061>.
- Simanullang, G., Untia, K, S, R., Nisa, Y, S., Gres, M., Dewi, R, S., Pinka, M, S., Tsalsha, A. (2024). Uji Stabilitas dan Aktivitas Sediaan Patch Herbal Anti-Acne Ekstrak Etanol Daun Gaharu *Aquilaria malaccensis* L.). *Journal Mandala Pharmacon Indonesia*, 10(1), 1-14.
- Siregar, D, U., Flora, R, S,P., Listiana, M, D. (2016). Hubungan Antara Kelainan Siklus Menstruasi Dengan Kejadian Akne Vulgaris Pada Santriwati SMA Islam Terpadu Nur Hidayah Kartasura. *Biomedika*, 8(2), 20-24.
- SLMD Skincare. (2024). The Life Cycle of a Pimple. <https://slmdskincare.com/blogs/learn/the-life-cycle-of-a-pimple?srsltid=AfmBOorruklmTa0cYOEclXWaNxOKs08K8xb4Gr7ke9kH RGehJEjKe96O>. Diakses pada tanggal 9 September 2024.
- Suhartomi., Joice, S, G, P., Siti, S., Okto, P, E, M. (2024). Systematic Review: Pengaruh Penggunaan Kosmetik Terhadap Kejadian Acne Vulgaris. *NJM*, 10(1), 21-32.
- Sumarni, N, K. (2022). Review Artikel: Uji Iritasi Sediaan Topikal dari Tumbuhan Herbal. *Jurnal Jejaring Matematika dan Sains*, 4(1), 13-24.
- Supriadi, Y., Salma, S. (2023). Formulasi dan Evaluasi Sediaan Transdermal Patch Ekstrak Kulit Buah Apel Manalagi (*Malus sylvestris* L. Mill) dengan Kombinasi Polimer Hidroksi Propil Metil Selulosa dan Etil Selulosa. *Journal of Pharmaceutical Science and Clinical Pharmacy*, 1(2), 59-66.
- Setyowatie, L., Agita, D, D. (2022). Peran Tanaman Artemisia pada Akne Vulgaris. *Jurnal Klinik dan Riset Kesehatan*, 2(1), 228-234.
- Sytheon. (2022). Systemol A Bakuchiol. <https://sytheonltd.com/systemol-a/#elementor-action%3Aaction%3Dpopup%3Aopen%26settings%3DeyJpZCI6IjI0NTMxNyIsInRvZ2dsZSI6ZmFsc2V9>. Diakses pada tanggal 19 September 2024.
- Thantaviriya, S., Nanticha, K., Titiporn, S., Montree, U., Supason, W., Salinee, R. (2023). Efficacy and Safety of Detachable Microneedle Patch Containing Triamcolone Acetonide in The Treatment of Inflammatory Acne. *Clinical*,

- Cosmetic, and Investigational Dermatology*, 16(1), 1431-1441. Doi: <https://doi.org/10.2147%2FCCID.S411378>.
- Theinkeylist. (2024). Hydrocolloid Invisible Pimple Patches. <https://www.theinkeylist.com/products/hydrocolloid-invisible-pimple-patches>. Diakses pada tanggal 10 September 2024.
- Ulfa, M., Aisyah, F., An, M, R, D. (2023). Anti Acne Patch Formulation Silkworm Cocoon Waste With HPMC and PVP Variations. *Indonesian Journal of Pharmaceutical Science and Technology*, 10(3), 147-153.
- Utami, S, A., Minda, S, L. (2024). Uji Iritasi dan Akseptabilitas Sediaan Gel Asam Salisilat dengan Menggunakan Basis Karbopol-940. *Pharmauho: Jurnal Farmasi, Sains, dan Kesehatan*, 10(1), 1-9.
- Vasam, M., Satyanarayana, K., Raghvendra, A, B. (2023). Acne vulgaris: A Review of The Pathophysiology, Treatment, and Recent Nanotechnology Based Advances. *Biochemistry and Biophysics Reports*, 36(2023), 101578.
- Veen, D, R, H. (2010). Acne Patch Application. *Intellectual Property Office*. <https://patentimages.storage.googleapis.com/9a/70/61/c61159d93ab046/GB2468904A.pdf>. Diakses pada tanggal 13 September 2024.
- Wali, P., Muhammad, A, S, R., Sriyanty, S. (2024). Formulasi Masker Anti Jerawat Ekstrak Daun Pepaya (*Carica papaya* L.) dan Madu Terhadap *Propionibacterium acnes*. *Journal of Pharmaceutical Science and Herbal Technology*, 1(2), 8-17.
- Wang, Z., Fenglan, Z., Panpan, W., Xiaoyun, C., Geuige, H., Qingguo, M. (2022). Phytochemistry, Health Benefits, and Food Applications of Sea Buckthorn (*Hippophae rhamnoides* L.): A Comprehensive Review. *Frontiers in Nutrition*. DOI 10.3389/fnut.2022.1036295.
- Wardani, W, K., Dwi, S. (2021). Formulasi Transdermal Patch Ekstrak Etanol Biji Pepaya (*Carica papaya* L.) Dengan Basis Hydroxypropil Metilcellulose (HPMC). *Smart Medical Journal*, 4(1), 38-44.
- Widasari, N, P, A., Anak, A, S, A, A., I Gede, N, A, S. (2024). Hubungan Derajat *Acne Vulgaris* dengan Tingkat Ansietas Pada Mahasiswa Fakultas

- Kedokteran dan Ilmu Kesehatan Universitas Warmadewa. *Aesculapius Medical Journal*, 4(2), 252-260.
- Widyasari, Y, E., Nurul, A. (2025). Uji Efektivitas Penggunaan Udara Panas Buatan Pada Pembuatan Preparat Bakteri dengan Pewarnaan Gram. *Jurnal Pengelolaan Laboratorium Pendidikan*, 7(1), 49-56.
- Wong, W, F., Kuang, P, A., Gautam, S., Chung, Y, L. (2023). Recent Advancement of Medical Patch for Transdermal Drug Delivery. *Medicina*, 59(4), 778.
- Wu, X., Xue, W., Xiujian, W., Qingqing, C., Wenjing, X., Ying, S., Zhen, Z., Xiaoxi, L. (2022). Intense Pulsed Light Therapy Improves Acne-Induced Post-Inflammatory Erythema and Hyperpigmentation: A Retrospective Study in Chinese Patients. *Dermatol Ther*, 12: 1147-1156. Doi: <https://doi.org/10.1007/s13555-022-00719-9>.
- Yasir, A, S., Suryaneta, Bagus, S., Kiki, Y, H. (2023). Stability and Irritation Testing Using The Patch Test Method of A Combination Gel Formulation Containing Aloe Vera and Basil Leaf Extracts. *Indonesian Journal of Cosmetics*, 1(1), 1-10.
- Yousef, H., Mandy, A., Adegbenro, O, F., Sandeep, S. (2024). *Anatomy, Skin (Integument), Epidermis*. StatPearls Publishing. <https://www.ncbi.nlm.nih.gov/books/NBK470464/>.
- Yusuf, N, A., Suriani., Nurul, I, M., Tika, A. (2020). Formulasi Patch Antihiperlipidemia Daun Salam (*Syzygium polyanthum*). *Majalah Farmasi dan Farmakologi*, 24(3), 67-71.
- Zahra, I., Susanti, E., Oktaviarika, D. H. (2021). Uji Aktivitas Antibakteri Ekstrak Etanol Daun Afrika (*Vernonia amygdalina* Del.) Terhadap Bakteri *Escherichia coli* ATCC 25922 Secara In Vitro. *MEDFARM: Jurnal Farmasi dan Kesehatan*, 10 (1), 28-34.
- Zhang, T., Sun, B., Guo, J., Wang, M., Cui, H., Mau, H., Wang, B., Yan, F. (2020). Active Pharmaceutical Ingredient Poly(Ionic Liquid) Based Microneedle for The Treatment of Skin Acne Infection. *Acta Biomaterialia*, 115(2020), 136-147. <https://doi.org/10.1016/j.actbio.2020.08.023>.

Zielinska, A., Izabela, N. (2017). Abundance of Active Ingredients in Sea-Buckthorn Oil. *Biomed Central*, 16 (95), 1-11.