

## DAFTAR PUSTAKA

- Aishah, B., Nursabrina, M., Noriham, A., Norizzah, A.R., & Mohamad Shahrimi, H., 2013. Anthocyanins from *Hibiscus sabdariffa*, *Melastoma malabathricum* and *Ipomoea batatas* and its color properties. *Int. Food Res. J.* 20, 827–834.
- Ali, Y.A., 2015. To Study The Effect of Hand Sanitizers used in Kingdom of Saudi International Research *Journal of Natural and Applied Sciences*. *Int. Res. J. Nat. Appl. Sci.* 2, 17–28.
- Asngad, A., R, A.B., & Nopitasari, N., 2018. Kualitas Gel Pembersih Tangan (Handsantizer) dari Ekstrak Batang Pisang dengan Penambahan Alkohol, Triklosan dan Gliserin yang Berbeda Dosisnya. *Bioeksperimen J. Penelit. Biol.* 4, 61–70.
- Aurelio, D., Edgardo, R.G., & Navarro, G.S., 2007. Thermal kinetic degradation of anthocyanins in a Roselle (*Hibiscus sabdariffa* L. cv. 'Criollo') infusion. *Int. Res. J. of Food Science and Technology*. 43, 322–325.
- Campo Del, R., Martínez-García, L., Sánchez-Díaz, A.M., & Baquero, F., 2019. Biology of Hand-to-Hand Bacterial Transmission. *Microb. Transm.* 205–213.
- Chao, C.Y., & Yin, M.C., 2009. Antibacterial effects of roselle calyx extracts and protocatechuic acid in ground beef and apple juice. *Foodborne Pathog. Dis.* 6, 201–206.
- Cisse, M., Dornier, M., Sakho, M., Ndiaye, A., Reynes, M., & Sock, O., 2009. Le bissap (*Hibiscus sabdariffa* L.): Composition et principles utilisations. *J. Fruits*. 64, 179–193.
- Djide, N., & Alam, G., 2018. Sinergitas Aktivitas Antibakteri dari Kelopak Bunga Rosella dan Kitosan Terhadap *Staphylococcus aureus*. *J. Farmasi Galenika*.4, 93–97.
- Haidar, Z., & Faisal, M., 2016. *Si Cantik Rosella Bunga Cantik Kaya Manfaat*. E dumania. Hal. 7-11.
- Hamlin, L., Davies, M., Tench, M.R., & Fraser, S.S. (Editors), 2016. *Perioperative Nursing: An Introduction 2nd Edition*. Elsevier. Australia.
- Jaroni, D., & Ravishankar, S., 2012. Bactericidal effects of roselle (*Hibiscus sabdariffa*) against foodborne pathogens in vitro and on

- romaine lettuce and alfalfa sprouts. *Qual. Assur. Saf. Crop. Foods.* 4, 33–40.
- Jawetz, M., & Adelberg's., 2013. *Medical Microbiology* 26th Edition. A LANGE Medical Book. Mc Graw Hill, pp. 199–202.
- Khafaga, E.R., & Koch, H., 1980. Stage of maturity and quality of Rosella (*Hibiscus sabdariffa* Linn. var. *sabdariffa*). 2. anthocyanins. *Angew. Bot.* 54, 295–300.
- Lee, J., Jing, J., Yi, T.P., Bose, R.J.C., McCarthy, J.R., Tharmalingam, N., & Madheswaran, T., 2020. Hand Sanitizers : A Review on Formulation Aspects, Adverse Effects, and Regulations. *Int. J. Environ. Res. Public Health* 17, 3326.
- Lin, T., Lin, H.H., Chen, C.C., Lin, M.C., Chou, M.C., & Wang, C.J., 2007. Hibiscus Sabdariffa extract reduces serum cholesterol in men and women. *Nutr. Res.* 27(3), 140–145.
- Mardiah, Sawarni, Ashadi, W., & Rahayu, A., 2009. *Budidaya dan pengolahan rosella simerah segudang manfaat*. Agromedia Pustaka, Jakarta.
- Margesi, S., Kagashe, G., & Dhokia, D., 2013. Determination of iron contents in *Hibiscus sabdariffa* calyces and *Kigelia Africana* fruit. *cholars Acad. J. Biosci.* 1(4), 108–111.
- Maryani, H., & Kristiana, L., 2005. *Khasiat dan Manfaat Rosella*, Cetakan 1. ed. Agromedia Pustaka, Jakarta.
- Miranti, M., & Prasetyorini, Suwary, C., 2013. Perbandingan Aktivitas Antibakteri Ekstrak Etanol 30% dan 96% Kelopak Bunga Rosella (*Hibiscus sabdariffa*L) Terhadap Bakteri *Staphylococcus aureus*. *Ekologia* 13, 9–18.
- Mohamed, B.B., Sulaiman, A.A., & Dahab, A.A., 2012. Roselle ( *Hibiscus sabdariffa* L .) in Sudan , Cultivation and Their Uses 1, 48–54.
- Oke, M.A., Bello, A.B., Odebisi, M.B., Ahmed El-Imam, A.M., & Kazeem, M.O., 2013. Evaluation of Antibacterial Efficacy of Some Alcohol-Based Hand Sanitizers Sold in Ilorin (North-Central Nigeria). *Ife J. Sci.* 15, 111–117.
- Patel, S., 2013. *Hibiscus sabdariffa*: An ideal yet under-exploited candidate for nutraceutical applications. *Biomed. Prev. Nutr.*

- Prenesti, E., Berto, S., Daniele, P.G., & Toso, S., 2007. Antioxidant power quantification of decoction and cold infusions of Hibiscus sabdariffa flowers. *Food Chem.* 100, 433–438.
- Puro, K., Sunjukta, R., Samir, S., Ghatak, S., Shakuntala, I., & Sen, A., 2014. Medicinal uses of Roselle plant (Hibiscus sabdariffa L.): A mini review. *Indian J. Hill Farming* 27(1), 81–90.
- Rini, E.P., & Nugraheni, E.R., 2018. Uji Daya Hambat Berbagai Merek Hand Sanitizer Gel Terhadap Pertumbuhan Bakteri Escherichia coli dan Staphylococcus aureus. *JPSCR J. Pharm. Sci. Clin. Res.* 3, 18.
- Salazar, G.C., Vergara, B.F.T., Ortega, R.A.E., & Guerrero, B.J.A., 2012. Antioxidant properties and color of Hibiscus sabdariffa extracts. In: Ciencia e Investigacion Agraria. pp. 79–90.
- Sari, R., & Isadiartuti, D., 2006. Studi efektivitas sediaan gel antiseptik tangan ekstrak daun sirih (Piper betle Linn.) betle Linn extract in hand gel antiseptic preparation. *Maj. Farm. Indones.* 17, 163–169.
- Shruthi, V.H., & Ramachandra, C.T., 2019. Roselle (Hibiscus sabdariffa L.) Calyces: A Potential Source of Natural Color and Its Health Benefits. *Food Bioact.* 169–190.
- Thaddeus, N., Francis, E., Jane, O., Obumneme, A., Okechukwu, E., 2018. Effects of some common additives on the antimicrobial activities of alcohol-based hand sanitizers. *Asian Pac. J. Trop. Med.* 11, 222–226.
- Todar, K., 2012. Staphylococcus aureus and Staphylococcal Disease, Todar's Online Textbook of Bacteriology (Online).
- Tsai, P.J., McIntosh, J., Pearce, P., Camden, B., & Jordan, R.B., 2002. Anthocyanin and antioxidant capacity in Roselle (Hibiscus sabdariffa L.) extract. *J. Food Res. Int.* 35, 351–356.
- Tseng, T.H., Wang, C.J., Kao, E.S., & Chu, C.Y., 1996. Hibiscus protocatechuic acid protects against oxidative damage induced by tertbutyl hydroperoxide in rat primary hepatocytes. In: Chemicobiological Interactions. pp. 137–148.
- Vasanthakumari, R. (Editors.), 2007. *Textbook of Microbiology*. BI Publications, New Delhi.
- Wijayanto, B.A.J.I., Kurniawan, D.W., & Sobri, I., 2017. Pengembangan Produk Sediaan Gel Kombinasi Ekstrak Daun Sirsak (Annona muricata

- L.) Dengan Ekstrak Rimpang Temulawak (*Curcuma xanthorhiza Roxb.*) Sebagai Anti Bakteri Penyebab Jerawat (*Propionibacterium acne* dan *Staphylococcus epidermidis*). *Pharmacon* 6, 102–107.
- Yumas, M., Besar, B., & Hasil, I., 2016. Formulasi Sediaan Krim Wajah Berbahan Aktif Ekstra Metanol Biji Kakao Non Fermentasi ( *Theobroma cacao L* ) Kombinasi Madu Lebah The Formulation of Face Cream Preparation from Extract of Non Fermented Cocoa Beans Methanol ( *Theobroma Cacao L* ) Combined wit 75–87.
- Zimbro, M.J., Power, D.A., Miller, S.M., Wilson, G.E., & Johnson, J., 2009. *Difco & BBL Manual: Manual of Microbiological Culture Media*, Citeseer.