DAFTAR PUSTAKA

1. Menteri Kelautan dan Perikanan. Kepmen 2019. Pedoman Umum Pembudidayaan Rumput Laut. *Kepmen* 1–39 (2019). doi:10.1017/CBO9781107415324.004

2. Notes, S., Seaweeds, O. N. & Gracilaria, G. Nurul Dhewani Mirah Sjafrie 1). **XV**, 147–155 (1990).

3. Sanger, G., Kaseger, B. E., Rarung, L. K. & Damongilala, L. Potensi beberapa Jenis Rumput Laut sebagai Bahan Pangan Fungsional, Sumber Pigmen dan Antioksidan Alami. *J. Pengolah. Has. Perikan. Indones.* **21**, 208 (2018).

4. Ramdani, M. *et al.* Evaluation of antioxidant activity and total phenol content of Gracilaria bursa-pastoris harvested in Nador lagoon for an enhanced economic valorization. *Chem. Biol. Technol. Agric.* **4**, 1–7 (2017).

5. Hidayati, J. R., Yudiati, E., Pringgenies, D., Oktaviyanti, D. T. & Kusuma, A. P. Comparative Study on Antioxidant Activities, Total Phenolic Compound and Pigment Contents of Tropical Spirulina platensis, Gracilaria arcuata and Ulva lactuca Extracted in Different Solvents Polarity. *E3S Web Conf.* **147**, (2020).

6. Francavilla, M., Franchi, M., Monteleone, M. & Caroppo, C. The red seaweed gracilaria gracilis as a multi products source. *Mar. Drugs* **11**, 3754–3776 (2013).

7. Fidelis, G. P. *et al.* Proteolysis, NaOH and ultrasound-enhanced extraction of anticoagulant and antioxidant sulfated polysaccharides from the edible seaweed, Gracilaria birdiae. *Molecules* **19**, 18511–18526 (2014).

8. dos Santos Amorim, R. das N. *et al.* Antimicrobial effect of a crude sulfated polysaccharide from the red seaweed gracilaria ornata. *Brazilian Arch. Biol. Technol.* **55**, 171–181 (2012).

9. Cyril, R., Lakshmanan, R. & Thiyagarajan, A. In vitro bioactivity and phytochemical analysis of two marine macro-algae. *J. Coast. Life Med.* **5**, 427–432 (2017).

10. Maftuch, Kurniawati, I., Adam, A. & Zamzami, I. Antibacterial effect of Gracilaria verrucosa bioactive on fish pathogenic bacteria. *Egypt. J. Aquat. Res.* **42**, 405–410 (2016).

11. Science, E. Potential of Seaweed Gracilaria sp . As inhibitors of Escherichia coli , Clostridium perfringens and Stapylococcus aureus Potential of Seaweed Gracilaria sp . As inhibitors of Escherichia coli , Clostridium

perfringens and Stapylococcus aureus. (2020). doi:10.1088/1755-1315/517/1/012020

12. Of, E. *et al.* EKSTRAKSI ETIL ASETAT Gracilaria TERHADAP PENGINHIBISI SENYAWA PEMBENTUKAN HISTAMIN JENIS Enterobacter. 81–86

13. Aeroginosa, D. A. N. P. & Kaimudin, M. UTILIZING GRACILARIA Sp . EXTRACT AS A BORDER OF SALMONELLA ENTERIC SV. **000**, 14–21 (2018).

14. A, T. I. & Rizka, Y. Bioviabilitas Ekstrak Gracilaria sp terhadap Stem Sel Mesenkimal sebagai Terapi Adjuvant Periodontitis (The Bioviabilitas of Gracilaria sp Extract Againts Mesenchymal Stem Cell as Adjuvant Therapy of Periodontitis). **10**, 1–8 (2016).

15. Hardoko, H., Febriani, A. & Sirantri, T. Invitro Antidiabetic Activities of Agar, Agarosa, and Agaropectin from Gracilaria gigas Seaweed. *J. Pengolah. Has. Perikan. Indones.* **18**, 128–139 (2015).

16. Info, A. Journal of Global Trends in Pharmaceutical Sciences PHARMACOLOGICAL SCREENING OF METHANOLIC EXTRACT OF RED MARINE ALGAE GRACILARIA CORTICATA J . Ag . **9**, 4872–4879 (2018).

17. Marhaeni Julyasih, K., Suata, K., Wirawan, I. & Mantik Astawa, I. Seaweed Extracts Improve Lipid Profile of Wistar Rat. *Indones. J. Biomed. Sci.* **5**, 1–8 (2011).

18. Kim, K.-J. *et al.* In Vitro and In Vivo Effects of Gracilaria verrucosa Extracts on Osteoclast Differentiation. *J. Clin. Med.* **6**, 32 (2017).

19. Fikri, A. M. & Tehupuring, S. E. Pengaruh Pemberian Ekstrak Alga Merah (gracilaria verrucosa) terhadap Aktivitas SGPT pada Tikus Putih (rattus norvegicus) Jantan Galur Wistar yang Diinduksi Parasetamol Dosis Tinggi. *J. Ilm. Kedokt. Wijaya Kusuma* **7**, 75 (2018).

20. Senthil, K. A. & Murugan, A. Antiulcer, wound healing and hepatoprotective activities of the seaweeds Gracilaria crassa, Turbinaria ornata and Laurencia papillosa from the southeast coast of india. *Brazilian J. Pharm. Sci.* **49**, 669–678 (2013).

21. Yeh, C. C. *et al.* Antiproliferation and induction of apoptosis in Ca9-22 oral cancer cells by ethanolic extract of Gracilaria tenuistipitata. *Molecules* **17**, 10916–10927 (2012).

22. Bhadja, P., Tan, C. Y., Ouyang, J. M. & Yu, K. Repair effect of seaweed polysaccharides with different contents of sulfate group and molecular weights on damaged HK-2 cells. *Polymers (Basel).* **8**, (2016).

23. Guo, D., Yu, K., Sun, X. Y. & Ouyang, J. M. Structural Characterization and

Repair Mechanism of Gracilaria lemaneiformis Sulfated Polysaccharides of Different Molecular Weights on Damaged Renal Epithelial Cells. *Oxid. Med. Cell. Longev.* **2018**, (2018).

24. Yang, J. I. *et al.* Aqueous extracts of the edible Gracilaria tenuistipitata are protective against H 2O 2-induced DNA damage, growth inhibition, and cell cycle arrest. *Molecules* **17**, 7241–7254 (2012).

25. Kurniasari, K. D. *et al.* Phytochemical Analysis and Anticancer Activity of Seaweed Gracilaria verrucosa against Colorectal HCT-116 Cells. (2018).

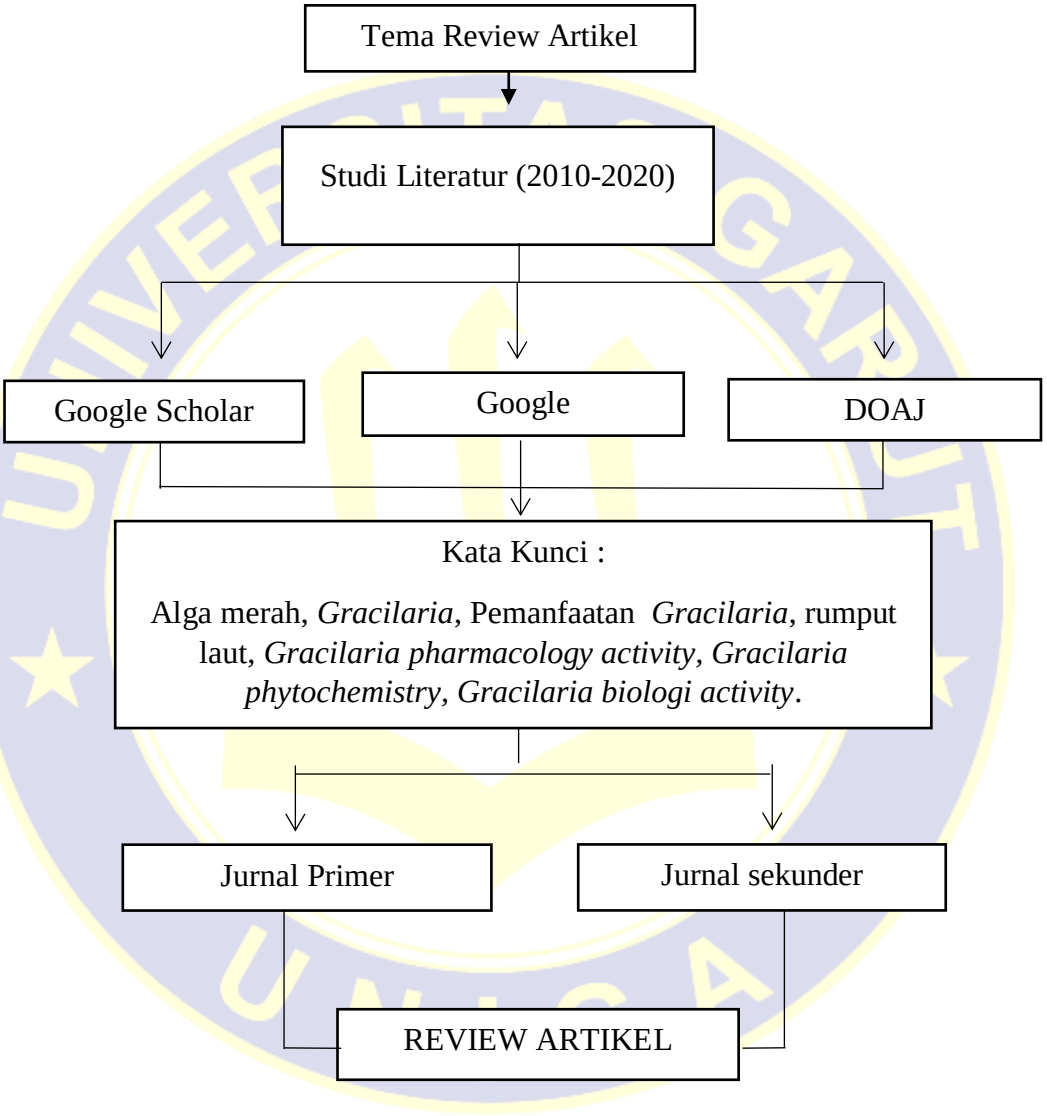
26. Chen, Y. Y., Chen, J. C., Lin, Y. C., Yeh, S. T. & Huang, C. L. White shrimp Litopenaeus vannamei that have received Gracilaria tenuistipitata extract show early recovery of immune parameters after ammonia stressing. *Mar. Drugs* **13**, 3606–3624 (2015).

27. Aprinaldi, B., Idacahyati, K., Lestari, T. & Tasikmalaya, H. SKRINING FITOKIMIA DAN UJI AKTIVITAS EKSTRAK ETANOL RUMPUT LAUT MERAH (Gracilaria verrucosa) TERHADAP Alat yang digunakan dalam penelitian ini adalah gelas laboratorium , labu ukur , oven listrik , Bahan yang dilakukan dalam penelitian ini adalah Rumput. **3**, 36–42 (2020).

28. Zahra, A., Sukenda, S. & Wahjuningrum, D. Extract of seaweed Gracilaria verrucosa as immunostimulant to controlling white spot disease in Pacific white shrimp Litopenaeus vannamei. *J. Akuakultur Indones.* **16**, 174 (2017).

LAMPIRAN 1

SKEMA PENELITIAN



Gambar II.1 Skema penelitian

LAMIRAN 2

BUKTI SUBMITE

DAFTAR RIWAYAT HIDUP

Nama	: Siska Nur Azizah
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Keahlian	: Farmasi

RIWAYAT PENDIDIKAN

Jenjang Pendidikan	Nama sekolah / Perguruan Tinggi	Tahun Masuk	Tahun Lulus
TK	Al-Hidayah Kauman Blitar	2002	2004
SD	SD Negeri Karangsirna	2004	2010
SMP	SMP N 1 Sukaratu	2010	2013
SMK	SMK Bhakti Kencana Tasikmalaya	2013	2016
Perguruan Tinggi	Universitas Garut	2016	2020