

Nama Mata Kuliah	PLANKTONOLOGI
Kode	PLU105
Semester/tingkat	1 / Tahun pertama
Koordinator Mata Kuliah	Sudarno, Ir., M.Kes
Pengajar	Sudarno, Ir., M.Kes, Dr. Endang Dewi Masithah, Ir., M.P., Rahayu Kusdarwati, Ir., M.Kes, Moch. Amin Alamsjah, Ir., Msi, Ph.D, Luthfiana Aprilianita Sari, S.Pi., M.Si. and Syfania Hanifah Samara, S.Pi., M.Sc
Penggunaan Bahasa	Bahasa Indonesia
Klasifikasi dalam Kurikulum	Mata Kuliah Wajib
Format Pembelajaran / waktu perkuliahan per minggu per semester	Perkuliahan 100 menit perkuliahan, 14 kali tatap muka/semester Praktikum 170 menit (120 menit kegiatan akademik, 50 menit tugas mandiri), 14 kegiatan praktikum /semester
Beban Kerja	4.79 ECTS
Nilai Kredit	3 (2-1), Perkuliahan : 2 , Praktikum : 1
Prasyarat	-
Capaian mata kuliah	Kompetensi utama : Di akhir perkuliahan, mahasiswa mampu menjelaskan peran plankton pada perairan terutama untuk mendukung kegiatan budidaya
Deskripsi Mata Kuliah	Topik mata kuliah : Peranan, taksonomi, klasifikasi dan golongan plankton, distribusi plankton di berbagai perairan, fungsi plankton di perairan, sampling dan mengidentifikasi plankton secara kualitatif dan kuantitatif
Atribut soft skill	Disiplin
Sistem Penilaian	Penilaian meliputi Tugas kelompok dan mandiri, <i>Focus Group Discussion</i> , UTS dan UAS Komponen nilai akhir terdiri dari : 10% soft skill +20% tugas + 20% nilai praktikum + 20% Ujian Tengah Semester+ 30% Ujian Akhir Semester.
Media Pembelajaran:	Slide dan LCD proyektor, <i>whiteboards</i>
Sistem Pembelajaran	<i>Student based learning, collaborative learning</i>
Referensi:	<ol style="list-style-type: none"> 1. Ahuja, S.. 2013. Monitoring Water Quality Pollution Assessment, Analysis, and Remediation. Elsevier. 374p. 2. Barnes, R. S. K. and K. H. Mann. 1992. Fundamental of Aquatic Ecology, Second Edition. Blackwell Science. 271 p. 3. Barsanti, L. and P. Gualtieri. 2014. Algae. CRC Press. Taylor & Francis. 344p 4. Bellinger, E. G. and D. C. Sigeo. 2015. Freshwater algae : identification, enumeration and use as bioindicators. Wileyblackwell. 275p.

5. Boyd, C. E. 2015. Water Quality An Introduction Second Edition. Springer International Publishing Switzerland. P 14-16. 374p
6. Darley, W.M. 1982. Algal Biology: a Physiological Approach. Blackwell Scientific Publications. p. 97-98.
7. Dolan, J. R., D. J.S. Montagnes, S. Agatha, D. W. Coats and D. K. Stoecker. 2013. The biology and ecology of tintinnid ciliates: models for marine. Wiley-Blackwell. 319p.
8. Eleftheriou, A. 2013. Methods for the study of marine benthos. Wileyblackwell. 502p
9. Guglielrno, L. and A. Ianora. 1997. Atlas of Marine Zooplankton 1 Straits of Magellan Amphipods, Euphausiids, Mysids, Ostracods, and Chaetognaths. Spinger. 263p
10. Li, Y. and K. Migliaccio. 2011. Water quality concepts, sampling, and analyses. CRC Press. 335p.
11. McVey, J.P. 1983. CRC Handbook of Marine Culture Volume I. CRC Press Inc. Boca Rton. Florida. p. 33-36.
12. Rice, E.W., R.B. Baird, A.D. Eaton and L.S. Clesceri. 2012. Standard Methods for the Examination of Water and Wastewater, 22nd Edition. American Public Health Association, American Water Works Association, Water Environment Federation. 1496p
13. Seckbach, J. (2007). Algae and Cyanobacteria in Extreme Environments (Cellular Origin, Life in Extreme Habitats and Astrobiology). Dordrecht: Springer. 786p.
14. Suthers, I. M. and D. Rissik. 2008. Plankton: a guide to their ecology and monitoring for water quality. National Library of Australia Cataloguing-in-Publication entry. CSIRO Publishing. 273p
15. Tomas, C. R. 1997. Identifying marine phytoplankton. Printed in The United States of America . 875p
16. Wehr, J. D., R. G. Sheath and J. P. Kociolek. Freshwater Algae of North America Ecology and Classification. 2015. Academic Press is an imprint of Elsevier. 1045 p