



Satuan Acara Pengajaran

BIO30332 - Planktonologi

Pengajar

Drs. Wisnu Wardhana M.Si.

Minggu 1

Materi Ruang lingkup, terminologi & pengelompokan organisme planktonik.

Media Tranparan sheet, lap top & LCD

Referensi

1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Newell, G.E. & R.C. Newell. 1977. Marine plankton. A practical guide. Hutchinson & Co. (Pub.) Ltd., London: 244 hlm.
3. Sachlan, M. 1982. Planktonologi. Faperikan UNDIP, Semarang: 117 hlm.

Aktivitas Tatap muka & diskusi

Minggu 2

Materi Plankton dalam ekosistem perairan.

Media Tranparan sheet, lap top & LCD

Referensi

1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Sachlan, M. 1982. Planktonologi. Faperikan UNDIP, Semarang: 117 hlm.

Aktivitas Tatap muka & diskusi

Minggu 3

Materi Kelimpahan & distribusi plankton.

Media Tranparan sheet, lap top & LCD

Referensi 1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.

Aktivitas Tatap muka & diskusi

Minggu 4

Materi Faktor lingkungan & faktor pembatas.

Media Tranparan sheet, lap top & LCD

Referensi 1. Boney, A.D. 1989. Phytoplankton. Edward Arnold, London: vii + 116 hlm.
2. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
3. Newell, G.E. & R.C. Newell. 1977. Marine plankton. A practical guide.
4. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.

Aktivitas Tatap muka & diskusi

Minggu 5

Materi Adaptasi plankton terhadap lingkungan

Media Tranparan sheet, lap top & LCD

Referensi 1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Romimohtarto, K & S. Juwana. 2004. Meroplankton laut. Penerbit Djambatan, Jakarta: ix + 214 pp.

Aktivitas Tatap muka & diskusi

Minggu 6

Materi Peran plankton dalam kehidupan manusia.

Media Tranparan sheet, lap top & LCD

Referensi Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.

Aktivitas Tatap muka & diskusi

Minggu 7

Materi Plankton sebagai indikator cemaran perairan.

Media Tranparan sheet, lap top & LCD

Referensi

1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Romimohtarto, K & S. Juwana. 2004. Meroplankton laut. Penerbit Djambatan, Jakarta: ix + 214 pp.
3. Sachlan, M. 1982. Planktonologi. Faperikan UNDIP, Semarang: 117 hlm.

Aktivitas Tatap muka & diskusi

Minggu 8

Materi Ujian Tengah Semester

Media Lembar soal & jawaban

Referensi

Aktivitas Ujian tulis

Minggu 9

Materi Keanekaragaman fitoplankton

Media Tranparan sheet, lap top & LCD

Referensi

1. Boney, A.D. 1989. Phytoplankton. Edward Arnold, London: vii + 116 hlm.
2. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.

Aktivitas Tatap muka & diskusi

Minggu 10

Materi Keanekaragaman zooplankton(holoplankton).

Media Tranparan sheet, lap top & LCD

Referensi 1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.

Aktivitas Tatap muka & diskusi

Minggu 11

Materi Keanekaragaman zooplankton(meroplankton).

Media Tranparan sheet, lap top & LCD

Referensi 1. Davis, C.C. 1955. The marine and fresh water plankton. Michigan State Univ. Press, Chicago: xi + 562 hlm.
2. Romimohtarto, K & S. Juwana. 2004. Meroplankton laut. Penerbit Djambatan, Jakarta: ix + 214 pp.

Aktivitas Tatap muka & diskusi

Minggu 12

Materi Teknik pencuplikan, pencacahan, & pengawetan plankton

Media Tranparan sheet, lap top & LCD

Referensi 1. Newell, G.E. & R.C. Newell. 1977. Marine plankton. A practical guide. Hutchinson & Co. (Pub.) Ltd., London: 244 hlm.
2. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.

Aktivitas Tatap muka & diskusi

Minggu 13

Materi Analisis data plankton.

Media Sampel plankton, peralatan cacah, mikroskop, lembar kerja & buku kunci

- Referensi**
1. Newell, G.E. & R.C. Newell. 1977. Marine plankton. A practical guide. Hutchinson & Co. (Pub.) Ltd., London: 244 hlm.
 2. Romimohtarto, K & S. Juwana. 2004. Meroplankton laut. Penerbit Djambatan, Jakarta: ix + 214 pp.
 3. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.
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Aktivitas Praktik laboratorium

Minggu 14

Materi Praktik lapangan: Pencuplikan & pengawetan plankton.

Media Planktonet, botol sampel, pengawet, kertas label, GPS & alat tulis.

- Referensi**
1. Newell, G.E. & R.C. Newell. 1977. Marine plankton. A practical guide. Hutchinson & Co. (Pub.) Ltd., London: 244 hlm.
 2. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.
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Aktivitas Praltik Lapangan

Minggu 15

Materi Praktik laboratorium: pencacahan, identifikasi & analisis plankton.

Media Sampel plankton, hand tally counter, pipet stampel. sedgwich rafter cell, bogorov counting chamber, object & cover glass, pipet, gelas ukur, mikroskop, lembar kerja, buku kunci identifikasi,

- Referensi**
1. Newell, G.E. & R.C. Newell. 1977. Marine plankton. A practical guide. Hutchinson & Co. (Pub.) Ltd., London: 244 hlm.
 2. Romimohtarto, K & S. Juwana. 2004. Meroplankton laut. Penerbit Djambatan, Jakarta: ix + 214 pp.
 3. Wicktead, J.H. 1965. An introduction to the study of tropical plankton. Hutchinson & Co. (Pub.) Ltd., London: 160 hlm.
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Aktivitas Praktik Laboratorium

Minggu 16

Materi Ujian Akhir Semester

Media Lembar soal & jawaban

Referensi

Aktivitas Ujian tulis
