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# Biologi Sel Subowo

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Water Relations of Plants  
Soil Biology Guide  
Advanced Topics in Forensic DNA Typing: Interpretation

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## FINN LILLY

### Problem-based

#### Learning Academic Press

This unique atlas includes over 475 full color photomicrographs while providing students with a readily accessible source of morphologic information for use in the identification of tissues and organs. Each photomicrograph is accompanied by explanatory captions that guide students to the key morphologic features that identify the function of the structures. The self-assessment section at the end of the book serves as a review tool for those structures that students traditionally have difficulty in identifying.

#### Essential Reproduction

BoD - Books on Demand  
Water Relations of Plants attempts to explain the importance of water through a description of the factors that control the plant water balance and how they affect the physiological processes that determine the quantity and quality of growth. Organized into 13 chapters, this book first discusses the functions and properties of water and the plant cell water

relations. Subsequent chapters focus on measurement and control of soil water, as well as growth and functions of root. This book also looks into the water absorption, the ascent of sap, the transpiration, and the water stress and its effects on plant processes and growth. This book will be useful for students, teachers, and investigators in both basic and applied plant science, as well as for botanists, agronomists, foresters, horticulturists, soil scientists, and even laymen with an interest in plant water relations.

#### *Berita bibliografi CV*

Kekata Group

College level animal reproductive physiology.

#### Fitoremediasi dan

#### Phytomining Logam Berat

#### Pencemar Tanah PT

Kanisius

The authors explore and explain current techniques for handling the specialised data that describes geographical phenomena in a study that will be of great value to computer scientists and geographers working with spatial databases.

#### **Pathways to Pregnancy and Parturition**

Cambridge University Press

The critical analysis of science textbooks is vital

in improving teaching and learning at all levels in the subject, and this volume sets out a range of academic perspectives on how that analysis should be done. Each chapter focuses on an aspect of science textbook appraisal, with coverage of everything from theoretical and philosophical underpinnings, methodological issues, and conceptual frameworks for critical analysis, to practical techniques for evaluation. Contributions from many of the most distinguished scholars in the field give this collection its sure-footed contemporary relevance, reflecting the international standards of UNESCO as well as leading research organizations such as the American Association for the Advancement of Science (whose Project 2061 is an influential waypoint in developing protocols for textbook analysis). Thus the book shows how to gauge aspects of textbooks such as their treatment of controversial issues, graphical depictions, scientific historiography, vocabulary usage, accuracy, and readability. The content also covers broader social themes

such as the portrayal of women and minorities. "Despite newer, more active pedagogies, textbooks continue to have a strong presence in classrooms and to embody students' socio-historical inheritance in science. Despite their ubiquitous presence, they have received relatively little on-going empirical study. It is imperative that we understand how textbooks influence science learning. This book presents a welcome and much needed analysis." Tina A. Grotzer Harvard University, Cambridge, Massachusetts, USA The present book provides a much needed survey of the current state of research into science textbooks, and offers a wide range of perspectives to inform the 'science' of writing better science textbooks. Keith S Taber University of Cambridge, Cambridge, United Kingdom

Bibliografi beranotasi sains dan teknologi Samudra Biru

atau sel terlihat seperti petak atau lingkaran kecil, yang terdapat di bagian terkecil organisme. Namun demikian bila dikaji lebih lanjut, sel yang memiliki ukuran relatif kecil, yakni

0,0050,010 milimeter. Ternyata di dalam sel mengandung banyak organel yang berperan menjalankan fungsi-fungsi kehidupan. Seluruh aktivitas dan fungsional kehidupan yang dilakukan organisme, sebenarnya terjadi dalam sel. Istilah sel pertama kali ditemukan oleh Robert Hooke (ahli fisika dan matematika bangsa Inggris ) sekitar pertengahan abad XVII untuk menamai ruang-ruang kosong seperti jaring-jaring yang diamati dari mikroskop pada preparat irisan gabus. Sel merupakan penyusun tubuh organisme bersel satu atau bersel banyak. Berdasar keberadaan inti, sel dibedakan 2 macam, yakni sel prokariotik dan eukariotik. Sel eukariotik yakni sel yang memiliki inti, sedang sel prokariotik tidak memiliki inti sel. Sel prokariotik misal ditemukan pada sel bakteri. Sel hewan dan sel tumbuhan merupakan contoh sel eukariotik. Berikut ini gambar sel eukariotik dan prokariotik.

**Artificial Insemination of Sheep** CV Jejak (Jejak Publisher)

Retaining the successful formula of the first edition while placing additional emphasis on tropical environmental

conservation, this new updated edition considers the response of tropical food crops to environmental factors such as climate, soil and farming system.

*Biologi SMA untuk kelas xii* McGraw Hill Professional

Microbial Endophytes: Prospects for Sustainable Agriculture discusses the practical and theoretical aspects regarding the use of endophytic microorganisms in agriculture, providing insights on the biotechnological applications associated with long-term crop production. Chapters deal with the various aspects of endophytic microorganisms, including isolation, enumeration, characterization procedures, diversity analysis, and their role as biofertilizer, biocontrol agent and microbial inoculants. Framed to discuss the present and future potential of microbial endophytes in biotic and abiotic stress management, bioremediation, bioactive compounds production, and in nanotechnology, this book provides a single-volume resource that will be valuable to academics and researchers interested in

microbiology, agricultural sciences and biotechnology. Explores aspects of sustainable agriculture by using endophytic microorganism such as bacteria, fungi and actinobacteria Presents insights into the use of endophytes as biofertilizer and biocontrol agents in sustainable agriculture Relates endophyte organisms and nano-technology

Prosiding Workshop Hasil Penelitian Budi Daya Udang Galah, Jakarta, 26 Juli 2001 Cambridge University Press

Puja dan puji syukur penulis panjatkan atas rahmat dan hidayah Tuhan Yang Maha Kuasa karena berkat kuasa-Nyalah penulis dapat menyelesaikan buku ajar berjudul Praktis Belajar Biologi untuk Mahasiswa Kesehatan ini dengan lancar, tanpa satu halangan berarti. Buku ajar ini dikhususkan untuk siswa agar dapat membantu memahami materi yang diajarkan guru. Kesuksesan belajar ditunjang dari kemauan dan dari sarana dan prasarannya. Sarana dalam hal ini salah satunya adalah buku ajar. Buku ajar ini berisi materi-materi yang akan dibahas pada tahun ajar ini secara

lengkap dan terperinci sehingga tercapai ketuntasan pembelajaran Biologi dengan baik.

Penulis mengucapkan terima kasih kepada pihak-pihak terkait atas bantuan dan dukungannya yang diberikan sehingga terbitlah buku ajar berjudul Praktis Belajar Biologi untuk Mahasiswa Kesehatan ini. Penulis menyadari masih banyak kekurangan dalam penyusunan buku ajar ini. Maka dari itu, penulis mengharap kritik, saran, dan masukan yang membangun dari para pembaca sekalian agar penulis dapat memperbaiki kesalahan pada penyusunan buku ajar selanjutnya.

#### **Spatial Databases**

Wiley-Blackwell  
Buku Modul Workshop Biologi Abdimas ini disusun sebagai Dokumentasi Tertulis Pengabdian Kepada Masyarakat Stimulus, yang didanai oleh Kemenristekdikti pada tahun 2019, pada mitra MGMP Guru Biologi di Kabupaten Sidoarjo. Penyusun modul ini adalah para dosen dan asisten dosen di Universitas Ciputra Surabaya dan Universitas Nahdlatul Ulama Surabaya. Buku ini

mengupas tentang biologi seluler, membran sel, histoteknik, sistem gerak, perencanaan pembelajaran, dan pembelajaran PBL (Problem Based Learning) dalam bentuk skenario. Dengan rancangan pembelajaran student center learning yang dikemas apik dan seru, diharapkan pembelajaran biologi yang berkonsep abstrak mudah dipahami oleh siswa dan guru tidak dominan di dalam kelas. Buku modul ini setidaknya menjadi catatan kecil kepedulian para dosen, khususnya Fakultas Kedokteran dan Learning Center terhadap dunia pendidikan, khususnya peningkatan kualitas pembelajaran dan pencapaian kompetensi siswa terhadap mata pelajaran biologi tubuh manusia.

#### History of Animals

Elsevier

Providing essential reading for medical, veterinary and biological science students, and students of physiology and trainees in obstetrics and gynaecology, the seventh edition of Essential Reproduction offers an up-to-date account of the fundamentals of reproduction within the context of cutting-edge

knowledge and examples of its application. It provides a multidisciplinary approach integrating physiology, genetics, behaviour, anatomy and clinical science, to give thorough coverage of the study of mammalian reproduction. *Essential Reproduction* is now accompanied by the Wiley E-Text: Powered by VitalSource, and includes: The latest on conceptual, informational and applied aspects of reproduction A new structure offering a more logical approach to study and revision Expanded further reading suggestions to support research A companion website at [www.essentialreproduction.com](http://www.essentialreproduction.com) features all of the images from the book to download – perfect for instructor and student support. This title is also available as a mobile App from MedHand Mobile Libraries. Buy it now from Google Play or the MedHand Store.

[Critical Analysis of Science Textbooks](#)  
Universitas Brawijaya Press

Thoroughly updated for its Fourth Edition, this handbook is a complete, convenient, and practical guide to perioperative management of neurosurgical patients. In

a quick-reference outline format, the book provides detailed instructions on anesthetic management during all neurosurgical and neuroradiologic procedures and on intensive care of neurosurgical patients and patients with head injury. This edition covers new developments in interventional neuroradiology, treatment of cerebral and spinal cord ischemia, awake craniotomy, and therapies for children with central nervous system diseases. New material is also included on acute treatment of stroke, brain death, and management of brain-dead patients during harvest of donated organs.

#### **Atlas of Animal Anatomy and Histology**

John Wiley & Sons  
Buku Biologi Umum untuk Mahasiswa IPA ini disusun untuk membantu mahasiswa IPA dalam mengatasi keterbatasan buku-buku rujukan dalam bidang ilmu IPA (ilmu Pengetahuan Alam) serta dalam memahami kajian ilmu di bidang Biologi. Buku ini menjelaskan bagaimana konsep-konsep biologi dalam ilmu pengetahuan alam (IPA), serta bagaimana struktur dari makhluk hidup, baik di mulai dari tumbuhan,

hewan dan manusia.

**Tropical Macrofungi**  
Woodhead Publishing

Volcanic eruptions are generally viewed as agents of destruction, yet they provide the parent materials from which some of the most productive soils in the world are formed. The high productivity results from a combination of unique physical, chemical and mineralogical properties. The importance and uniqueness of volcanic ash soils are exemplified by the recent establishment of the Andisol soil order in Soil Taxonomy. This book provides the first comprehensive synthesis of all aspects of volcanic ash soils in a single volume. It contains in-depth coverage of important topics including terminology, morphology, genesis, classification, mineralogy, chemistry, physical properties, productivity and utilization. A wealth of data (37 tables, 81 figures, and Appendix) mainly from the Tohoku University Andisol Data Base is used to illustrate major concepts. Twelve color plates provide a valuable visual-aid and complement the text description of the world-

wide distribution for volcanic ash soils. This volume will serve as a valuable reference for soil scientists, plant scientists, ecologists and geochemists interested in biogeochemical processes occurring in soils derived from volcanic ejecta.

KETAKJUBAN SEBUTIR SEL  
Springer

Advanced Topics in Forensic DNA Typing: Interpretation builds upon the previous two editions of John Butler's internationally acclaimed Forensic DNA Typing textbook with forensic DNA analysts as its primary audience. Intended as a third-edition companion to the Fundamentals of Forensic DNA Typing volume published in 2010 and Advanced Topics in Forensic DNA Typing: Methodology published in 2012, this book contains 16 chapters with 4 appendices providing up-to-date coverage of essential topics in this important field. Over 80 % of the content of this book is new compared to previous editions. Provides forensic DNA analysts coverage of the crucial topic of DNA mixture interpretation and statistical analysis of DNA evidence Worked mixture examples illustrate the

impact of different statistical approaches for reporting results Includes allele frequencies for 24 commonly used autosomal STR loci, the revised Quality Assurance Standards which went into effect September 2011

**Annotated bibliography of biology**

Morgan Kaufmann  
Reprint of the original, first published in 1862.

**Oral Health Care**

Penerbit P4I  
Mitosis/Cytokinesis provides a comprehensive discussion of the various aspects of mitosis and cytokinesis, as studied from different points of view by various authors. The book summarizes work at different levels of organization, including phenomenological, molecular, genetic, and structural levels. The book is divided into three sections that cover the premeiotic and premitotic events; mitotic mechanisms and approaches to the study of mitosis; and mechanisms of cytokinesis. The authors used a uniform style in presenting the concepts by including an overview of the field, a main theme, and a conclusion so that a broad range of biologists could understand the concepts. This volume

also explores the potential developments in the study of mitosis and cytokinesis, providing a background and perspective into research on mitosis and cytokinesis that will be invaluable to scientists and advanced students in cell biology.

The book is an excellent reference for students, lecturers, and research professionals in cell biology, molecular biology, developmental biology, genetics, biochemistry, and physiology.

*Pharmacology for Anaesthesia and Intensive Care* Lippincott Williams & Wilkins

The third edition of this market leading book has been thoroughly updated and expanded, with additional contributions from experts in the field, to include all new drugs available to the anaesthetist and intensive care specialist. Basic pharmacological principles, vital to understanding how individual drugs actually have their effects, are dealt with methodically and with many highly annotated diagrams and tables. With hospital infections becoming increasingly prevalent, the important section on antibiotics has been

further expanded. With the third edition, this well established title continues to provide its readers with the most concise yet comprehensive coverage of all aspects of pharmacology. An ideal aid to study and practice for junior and trainee anaesthetists, critical care nurses and all physicians and healthcare professionals working in theatre, accident and emergency departments or intensive care units.

Color Atlas of Basic Histology Springer

A comprehensive study of the biology, taxonomy, and ecology of each of the soil biotic groups. The first chapter presents an ecological approach to soil studies. The remaining 42 chapters provide specific information on each of the taxonomic groupings.

Contains illustrated identification keys to each group. Some keys go by functional morphological delineations; others lead the reader to classical identification at family, genus, or species levels. Some incorporate descriptions of new genera and species. Especially useful for the

study of mesic, xeric, and hydric terrestrial sites. Includes an extensive bibliography.

**Duta rimba** CRC Press  
Buku Fisiologi Hewan edisi revisi ini diterbitkan dalam rangka meningkatkan kualitas isinya agar dapat memenuhi kebutuhan para penggunanya. Buku ini merupakan pegangan bagi mahasiswa jurusan Biologi, Peternakan/Perikanan, dan Kedokteran Hewan, yang sedang mempelajari Fisiologi Hewan. Buku ini mengkaji proses-proses fisiologis dalam tubuh hewan secara sederhana, komunikatif, dan dilengkapi dengan berbagai gambar yang mudah dipahami. Setiap proses fisiologis dikaji dengan menyajikan contoh-contoh peristiwa keseharian yang terjadi pada berbagai jenis hewan, mulai dari hewan tingkat rendah hingga hewan tingkat tinggi. Isi buku ini terbagi atas 12 bab. Bab 1 menjelaskan berbagai konsep dasar dalam fisiologi, respons hewan terhadap lingkungan, dan mekanisme homeostasis; bab 2 menjelaskan

struktur dan fungsi sel serta proses transpor zat melintasi membran sel; bab 3 sampai dengan bab 12 secara berturut-turut menguraikan fungsi sistem saraf, reseptor dan efektor, endokrin, pencernaan, sirkulasi, respirasi, termoregulasi, ekskresi, osmoregulasi, dan sistem reproduksi. Buku ini dilengkapi dengan tujuan pembelajaran, rangkuman materi, dan soal-soal latihan. Pada akhir buku disajikan glosarium dan indeks. Penyajian isi buku yang demikian itu membuat mahasiswa/pengguna yang mempelajari buku ini akan dapat segera memahami isinya dengan baik. Jika Anda mahasiswa yang sedang mempelajari Fisiologi Hewan dan ingin memahaminya secara maksimal, segera miliki buku ini dan pelajari isinya dengan baik. Insyaa Allah Anda akan memperoleh hasil yang maksimal. Jika Anda guru Biologi SMA/MAN atau guru IPA-Biologi (di jenjang SLTP), buku ini sangat bermanfaat sebagai bahan pengayaan bagi Anda.

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