

Jurnal Salisbury Dan Ross Plant Physiology

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KAJIAN IPA (Untuk Mahasiswa Pendidikan Guru Sekolah Dasar Elly Purwanti 2019-11-14 Pada modul ini memuat tentang uraian materi-materi yang berkaitan dengan Fisika dan Biologi. Selain itu untuk memudahkan pemahaman juga terdapat rangkuman. Pada bahan ajar ini juga diberikan arti istilah tentang sains yang berkaitan dengan materi. Penyusun juga berusaha menyusun bahan ajar IPA ini sesuai dengan kebutuhan mahasiswa sehingga dapat terjadi kegiatan belajar yang lebih komunikatif dan optimal. Akhirnya, kami ucapkan terimakasih kepada semua pihak yang telah membantu dalam penyusunan bahan ajar ini, semoga dapat memberikan andil dalam kemajuan siswa untuk mempelajari IPA. Kami menyadari bahwa masih banyak kekurangan dalam penyusunan bahan ajar ini. Untuk itu, kritik dan saran bagi kesempurnaan dalam penyusunan bahan ajar ini sangat kami harapkan. Semoga bahan ajar ini dapat memberikan manfaat bagi pembentukan ketrampilan dan memberikan bekal bagi mahasiswa dalam penerapan pembelajar IPA di kehidupan sehari – hari.

Goldom 2008

Handbook of Plant Nutrition Allen V. Barker 2016-04-19 The burgeoning demand on the world food supply, coupled with concern over the use of chemical fertilizers, has led to an accelerated interest in the practice of precision agriculture. This

practice involves the careful control and monitoring of plant nutrition to maximize the rate of growth and yield of crops, as well as their nutritional value.

Bibliographic Index 1980

Dasar Agronomi Amarullah 2021-05-04 Dunia pertanian selalu menjanjikan prospek pengembangan baik dari sudut wilayah, komoditi maupun teknologi budidayanya. Urgensi dari agronomi untuk mengenali, memahami seluk-beluk tanaman dan kegiatan untuk berkembang biak. Lebih lanjut, tanaman pangan, perkebunan, buah, sayur, rempah, bahkan bunga memerlukan teknik agar dapat bertambah banyak, untuk bahan tanam dan media tumbuh yang layak dan memadai bagi tanaman untuk tumbuh dan berkembang hingga berproduksi. Teknologi budidaya tanaman secara modern dengan segala perkembangannya menjadi pilihan pengelolaan tanaman secara praktis seperti tabulampot, hidroponik, silvikultur dan aeroponik juga memerlukan pengetahuan dan keterampilan, semua terangkum dan tersaji dalam “Dasar Agronomi”. Buku ini kaya dengan kaya ilmu pengetahuan dan manfaat bagi manusia dan kehidupannya. Diuraikan dengan bahasa yang sederhana dan mudah dipahami, pembahasannya terkait dengan sejarah pertanian dan agronomi, asal-usul dan pusat sebaran tanaman, syarat tumbuh dan perkembangbiakan, teknik budidaya (perkembangbiakan

tanaman, penanaman dan pemeliharannya), panen dan pascapanen, perkembangan teknologi budidaya tanaman. Keberadaan buku ini diharapkan dapat menjawab keingintahuan masyarakat terhadap dunia pertanian khususnya budidaya tanaman dari pemilihan komoditi, bahan tanam dan media tumbuh, penanaman hingga pemeliharaan bahkan panen dan penanganan pascapanennya.

Indonesian Journal of Agricultural Science 2003

Jurnal penelitian hasil hutan 1992

Plant Physiology Frank B. Salisbury 1969 The marvel of plant function; The water milieu; Energy relations and diffusion; Reactive surfaces; Osmosis and the components of water potential; Transpiration and heat transfer; The ascent of sap; Transport across membranes; The translocation of solutes; Mineral nutrition of plants; Enzymes, proteins, and amino acids; Carbohydrates and related compounds; Photosynthesis; Carbon dioxide fixation and photosynthesis in nature; Respiration; Metabolism and functions of nitrogen and sulfur; Nucleic acids, proteins, and the genetic code; Functions and metabolism of plant lipids and aromatic compounds; Growth and the problems morphogenesis; Mechanisms and problems of developmental control; Plant hormones and growth regulators; Differentiation; Photomorphogenesis; The biological clock; Responses to low temperature and related phenomena; Photoperiodism and the physiology of flowering; Reproduction, maturation, and senescence; Plant physiology in agriculture; Physiological ecology. Dasar - Dasar Fisiologi Tumbuhan Linda Advinda 2018-01-17 Buku ini terdiri dari beberapa bab. Bab pertama berisi pendahuluan, bab dua tentang hubungan air dengan tumbuhan, bab tiga tentang keseimbangan air dalam tumbuhan, bab empat tentang tanah, dan bab lima tentang nutrisi tumbuhan, bab enam tentang respirasi pada tumbuhan, bab tujuh tentang fotosintesis, bab delapan tentang reduksi karbon dalam fotosintesis, bab sembilan tentang metabolisme nitrogen, bab sepuluh tentang pertumbuhan

dan perkembangan, bab sebelas tentang hormon pertumbuhan tanaman, dan bab dua belas tentang gerak pada tumbuhan. Kata fisiologi berasal dari bahasa latin yaitu physis berarti alam (nature) dan logos berarti ilmu. Fisiologi digunakan untuk berbagai bidang kajian seperti biomolekul, sel, jaringan, organ, sistem organ, serta organisme secara keseluruhan yang menjalankan fungsi fisik dan kimianya. Berdasarkan objek kajiannya dikenal fisiologi tumbuhan, fisiologi manusia, dan fisiologi hewan, meskipun prinsip fisiologi bersifat universal, tidak bergantung pada jenis organisme yang dipelajari. Fisiologi tumbuhan dapat diartikan sebagai ilmu tentang alam tumbuhan. Fisiologi tumbuhan mencari keterangan-keterangan tentang kehidupan tumbuhan. Mempelajari fisiologi tumbuhan akan menambah kekaguman kita akan banyak hal yang terjadi di dalam kehidupannya. Kajian tentang fisiologi tumbuhan lebih ditujukan pada berbagai mekanisme atau proses biologis yang terjadi di dalam tumbuhan. Ruang gerak untuk mencari keterangan-keterangan yang berhubungan dengan kehidupan tumbuhan dibatasi oleh hukum-hukum alam. Air merupakan zat yang sangat penting bagi kehidupan. Banyak fungsi-fungsi dalam biologi sepenuhnya bergantung pada air dan sifat kehidupan secara langsung merupakan hasil dari sifat air. Fungsi air yang paling penting yaitu dalam reaksi-reaksi biokimia dalam protoplasma yang dikontrol oleh enzim. Selain memberi fasilitas bagi berlangsungnya suatu reaksi biokimia, molekul air dapat berinteraksi secara langsung. Air memegang peranan sangat penting dalam kehidupan tumbuhan, sehingga tidak mungkin ada kehidupan tanpa air. Dalam kehidupannya, tumbuhan membutuhkan air lebih kurang 500 g untuk setiap bahan organik yang dibentuknya. Air tersebut diabsorpsi melalui akar dan ditransportasikan ke dalam tubuh tumbuhan untuk kemudian diuapkan ke atmosfer.

Encyclopedia of Soils in the Environment Daniel Hillel 2004 Provides a wide range of scientific knowledge on all aspects of soil science, as well as the links of soils and soil science to

environmental management, food production, biodiversity, climate change, and many other areas of significant concern.

Journal of Plant Biology 2004

Tabat Barito (Ficus Deltoidea Jack) Kajian Budidaya, Kandungan Metabolit Sekunder, Bio-Aktivitas, Prospek Fitofarmakologis Hetty Manurung 2021-05-01 Buku ini ditulis untuk memberikan informasi tentang upaya budidaya, analisis fitokimia/kandungan metabolit sekunder serta senyawa-senyawa aktif yang terdapat pada tumbuhan tabat barito yang dapat dijadikan sebagai sumber bahan obat, serta beberapa bioaktivitas tabat barito hasil budidaya, dan prospek fitofarmakologis yang dimiliki tumbuhan tabat barito. Buku ini dapat menjadi bahan pengetahuan dan informasi ilmiah bagi para praktisi tumbuhan obat, peneliti, pengajar/dosen, mahasiswa tingkat sarjana maupun pascasarjana yang melakukan penelitian tentang tumbuhan obat serta penelitian yang berhubungan dengan tumbuhan tabat barito. Penulis berharap buku sederhana ini dapat memberikan bekal bagi para pembaca dan menambah dasar keilmuan di masa depan dan berpartisipasi dalam mengelola kekayaan alam Indonesia. Tabat Barito (Ficus Deltoidea Jack) Kajian Budidaya, Kandungan Metabolit Sekunder, Bio-Aktivitas, Prospek Fitofarmakologis ini diterbitkan oleh Penerbit Deepublish dan tersedia juga dalam versi cetak.

Agrindex 1993

Proceeding of the 1st International Conference on Tropical

Agriculture Alim Isnansetyo 2017-11-21 The proceeding of tropical agriculture is a proceeding of papers presented at the International Conference on Tropical Agriculture. Sustainability of agriculture production system is an important issue in the world, which includes all aspects of sustainable criteria, such as technical, socio-economic, and ecological aspects. This book covers sustainable tropical agriculture, sustainable tropical fisheries, sustainable tropical animal production, sustainable tropical forestry, tropical animal health, and Innovative and

Emerging Food Technology and Management. The most common, challenging issues in plant, animal and fisheries production in the tropics are climate change, inefficiency production system, low technological innovation, decreasing environment quality, and the outbreak risk of pest and diseases. These issues are closely linked to the socio-economic condition of farmers as small-scale farms are dominant in this area. In addition, post-harvest technology is crucial to maintaining the high quality of products after on farm production. This volume provides the recent research and development on tropical agriculture production systems for plant, terrestrial animal and aquatic animal to establish sustainable agriculture production in the tropics.

Turkish Journal of Biology 1997

Budidaya Padi Di Tanah Salin Wan Arfiani Barus dan Abdul Rauf 2021-12-04 Buku ini disusun berdasarkan permasalahan yang dewasa ini mencuat ke permukaan tentang pengembangan tanaman pangan pada lahan marjinal (suboptimal), antara lain di lahan salin. Ektensifikasi ke lahan suboptimal, terutama di lahan salin ini, merupakan salah satu alternatif dalam mengatasi masalah alih fungsi lahan sawah subur yang sangat intensif akhir-akhir ini, khususnya untuk budidaya padi, meskipun, kendala yang dihadapi sangat berat di antaranya lahan yang tidak subur dan memiliki tingkat permasalahan yang tinggi bagi tanaman, seperti cekaman garam, kekeringan, zat beracun, dan air asin (payau), terutama untuk tanaman padi.

Environmental Mechanics P. A. C. Raats 2002 CD-ROMs contain: John Philip's 1995 interview with Steve Burges --A recent address-in-print by Philip -- Bibliography of his work.

Journal of Environmental Quality 1979

Plant Physiology Salisbury Frank B 1992 The text provides a broad explanation of the physiology for plants (their functions) from seed germination to vegetative growth, maturation, and flowering. It presents principles and results of previous and ongoing research throughout the world.

Concepts and Controversies in Tidal Marsh Ecology M.P.

Weinstein 2007-05-08 In 1968 when I forsook horticulture and plant physiology to try, with the help of Sea Grant funds, wetland ecology, it didn't take long to discover a slim volume published in 1959 by the University of Georgia and edited by R. A. Ragotzkie, L. R. Pomeroy, J. M. Teal, and D. C. Scott, entitled "Proceedings of the Salt Marsh Conference" held in 1958 at the Marine Institute, Sapelo Island, Ga. Now forty years later, the Sapelo Island conference has been the major intellectual impetus, and another Sea Grant Program the major backer, of another symposium, the "International Symposium: Concepts and Controversies in Tidal Marsh Ecology". This one re-examines the ideas of that first conference, ideas that stimulated four decades of research and led to major legislation in the United States to conserve coastal wetlands. It is dedicated, appropriately, to two then young scientists - Eugene P. Odum and John M. Teal - whose inspiration has been the starting place for a generation of coastal wetland and estuarine research. I do not mean to suggest that wetland research started at Sapelo Island. In 1899 H. C. Cowles described successional processes in Lake Michigan freshwater marsh ponds. There is a large and valuable early literature about northern bogs, most of it from Europe and the former USSR, although Eville Gorham and R. L. Lindeman made significant contributions to the American literature before 1960. V. J.

Canadian Geotechnical Journal National Research Council Canada 2000

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Prosiding Seminar Nasional MITIGASI DAN ADAPTASI PERUBAHAN IKLIM MENUJU TATA KELOLA HUTAN DAN LAHAN LESTARI

□□□□□□□□ 1971

Manual of Remote Sensing: Interpretation and applications

American Society of Photogrammetry 1975

Principles of Plant Nutrition Konrad Mengel 2001-07-31 Plant nutrition; The soil as a plant nutrient medium; Nutrient uptake and assimilation; Plant water relationships; Plant growth and crop production; Fertilizer application; Nitrogen; Sulphur; Phosphorus; Potassium; Calcium; Magnesium; Iron; Manganese; Zinc; Copper; Molybdenum; Boron; Further elements of importance; Elements with more toxic effects.

Books in Print 1987

Journal of Crop Science and Biotechnology 2007

Turkish Journal of Agriculture & Forestry 1994

Lake Hydrology William LeRoy Evans III 2021-06-03 This book will greatly benefit professionals and researchers involved in lake management, remediation, or investigation of lake systems, and can be used as is or integrated within graduate and advanced undergraduate courses in limnology.

Canadian Journal of Forest Research 1993

Botany: an Ecological Approach William August Jensen 1972

The Practice of Silviculture Mark S. Ashton 2018-03-19 The most up-to-date, comprehensive resource on silviculture that covers the range of topics and issues facing today's foresters and resource professionals The tenth edition of the classic work, *The Practice of Silviculture: Applied Forest Ecology*, includes the most current information and the results of research on the many issues that are relevant to forests and forestry. The text covers such timely topics as biofuels and intensive timber production, ecosystem and landscape scale management of public lands, ecosystem services, surface drinking water supplies, urban and community greenspace, forest carbon, fire and climate, and much more. In recent years, silvicultural systems have become more sophisticated and complex in application, particularly with a focus on multi-aged silviculture. There have been paradigm shifts

toward managing for more complex structures and age-classes for integrated and complementary values including wildlife, water and open space recreation. Extensively revised and updated, this new edition covers a wide range of topics and challenges relevant to the forester or resource professional today. This full-color text offers the most expansive book on silviculture and: Includes a revised and expanded text with clear language and explanations Covers the many cutting-edge resource issues that are relevant to forests and forestry Contains boxes within each chapter to provide greater detail on particular silvicultural treatments and examples of their use Features a completely updated bibliography plus new photographs, tables and figures

The Practice of Silviculture: Applied Forest Ecology, Tenth Edition is an invaluable resource for students and professionals in forestry and natural resource management.

Physiology and Molecular Biology of Stress Tolerance in Plants K.V. Madhava Rao 2006-02-10 Biologists worldwide now speak the scientific language of molecular biology and use the same molecular tools. Interest is growing in the molecular biology of abiotic stress tolerance and modes of installing better tolerant mechanisms in crop plants. Current studies make plants capable of sustaining their yields even under stressful conditions. Further, this information may form the basis for its application in biotechnology and bioinformatics.

Budidaya Padi pada Lahan Marginal Prof. Dr. Ir. M. Zulman Harja Utama, M.P Buku ajar ini ditulis untuk membantu mahasiswa dan masyarakat petani umumnya, tentang budidaya padi yang dapat diterapkan, khususnya pada lahan-lahan marjinal sehingga produksi dapat ditingkatkan. Buku ini menjelaskan bagaimana perkembangan tanaman padi, kandungan nutrisinya, metode budidaya, dan hasil-hasil riset yang telah dilakukan pada lahan-lahan marjinal di beberapa lokasi, khususnya di Sumatera Barat, dengan berbagai jenis varietas padi, baik padi sawah maupun padi gogo. Varietas tersebut dibudidayakan pada lahan marjinal yang

bermasalah dengan cekaman aluminium, salinitas, dan fero.

Biology Cecie Starr 2006 Accompanying CD-ROM covers topics in the same order as the text, with a quiz and flashcards for each chapter, as well as hundreds of animations, interactive sequences, and movies, and a link to the publisher's biology website.

Precision agriculture '07 J.V. Stafford 2007-05-25 With ever-increasing pressures on world agriculture in both economic and environmental terms, application of the concept of precision agriculture is one way of enabling farmers and producers to cope. 'Doing arable agriculture and horticulture more precisely' means that the use of inputs is optimised, crop yield and quality are maximised and leakage of agro-chemicals and fertilisers to the environment is minimised. This publication contains papers presented at the 6th European Conference on Precision Agriculture. The papers reflect the wide range of disciplines encompassed by precision agriculture, including: soil physics, crop physiology, agronomy, IT, agricultural technology, sensor technology, remote sensing, geostatistics and environmental science. The wide range of research topics reported will be a valuable resource for researchers, advisors, teachers and professionals in agriculture long after the conference has finished. Peer-reviewed papers from the 3rd European Conference on Precision Livestock Farming are presented in a companion proceedings, Precision livestock farming '07.

Tropical Ecosystems in Australia Dilwyn Griffiths 2019-10-10 Over the last century, the world has lived through changes more rapid than those experienced at any other time in human history, leading to pressing environmental problems and demands on the world's finite resources. Nowhere is this more evident than across the world's warm belt; a region likely to have the greatest problems and which is home to some of the world's most disadvantaged people. This book reviews aspects of the biology of tropical ecosystems of northern Australia, as they have been affected by climatic, social and land-use changes. Tropical

Australia can be regarded as a microcosm of the world's tropics and as such, shares with other tropical regions many of the conflicts between various forms of development and environmental considerations. The book draws on a wide range of case studies of tropical Australian ecosystems ranging from coastal coral reefs and mangroves, known to be among the most vulnerable to the effects of the imposed changes, to cropping and pasture lands which, under careful management, have the potential remain as productive and sustainable agricultural or forestry ecosystems. Expert author Dilwyn Griffiths -emphasizes the importance of maintaining an active program for the establishment and management of national parks and environmental reserves -describes the effects of mining and other forms of industrial and urban development with particular reference to mine-site rehabilitation - explores problems relating to the restoration of marginally uneconomic farming land as

alternative forms of land-use such as carbon farming through photosynthetically-driven carbon sequestration. This accessible reference work should find a place in educational libraries at all levels and become an essential resource for environmentalists and anyone with interests in various forms of land-use and development.

Factors Affecting Phosphorus Transport at a Conventionally-farmed Site in Lancaster County, Pennsylvania, 1992-95 Daniel G. Galeone 1996

Environmental Physiology of Plants Alastair Fitter 1987

Already a widely acknowledged and successful work, this second edition has been extensively revised to reflect the vast amount of new literature in the field of plant physiology. The text deals with plant physiological responses to the environment, focusing on the boundary between physiology and ecology, and the treatment is largely based on North American and European examples with reference to the tropics when necessary.