

## Petunjuk Praktikum Kimia Farnasi Dasar

Alat-alat Laboratorium Tingkat Universitas Kategori 1 Penulis : Dr. Zikri Noer, S.Si, M.Si, dan Sally Irvina Ritonga, S.Si. Ukuran : 14 x 21 cm ISBN : 978-623-6449-9-6 Terbit : Agustus 2021 www.guepedia.com Sinopsis : Menurut Richard de Caprio, dkk., laboratorium adalah tempat sekelompok orang yang melakukan berbagai macam kegiatan penelitian (riset), pengamatan, pelatihan dan pengujaan ilmiah sebagai pendekatan antara teori dan praktik dari berbagai macam disiplin ilmu Buku ini memuat kebutuhan informasi yang diperlukan oleh para mahasiswa dan dosen dalam proses kegiatan selama berada di laboratorium, mulai dari fungsi alat, prosedur penggunaannya sampai cara perawatan dari masing-masing alat. Adapun yang termasuk pada peralatan kategori I, Gelas Kimia (Beaker glass), Labu ukur, Corong, Gelas ukur, Pipet, Timbangan, Termometer, Pengaduk magnetik (Magnetic stirrer). Buku ini juga dilengkapi jurnal ilmiah yang menggunakan berbagai peralatan kategori I tingkat Universitas. www.guepedia.com Email : guepedia@gmail.com WA di 081287602508 Happy shopping & reading Enjoy your day. gyy

Pada praktikum fitokimia, ada beberapa metode dalam menetapkan kadar golongan senyawa tertentu dari ekstrak yang telah teresat. Salah satunya adalah dengan menggunakan metode spektrofotometri dan kromatografi. Spektrofotometri serapan merupakan pengukuran suatu interaksi antara radiasi elektromagnetik dan molekul atau atom dari suatu zat kimia. Teknik ini sering digunakan dalam analisis farmasi, meliputi spektroskopi serapan ultraviolet, cahaya tampak, inframerah dan serapan atom. Pengukuran spektrofotometri di dalam daerah cahaya tampak, semua disebut kolorimetri, tetapi istilah “kolorimetri” lebih tepat digunakan untuk persepsi tentang warna.

Kumpulan Resep dan Perhitungan Farnasi Penulis : Rikki Fatimah Ukuran : 14 x 21 cm Terbit : Februari 2021 www.guepedia.com Sinopsis : Buku ini berisi tentang kumpulan contoh resep dari berbagai bentuk sediaan obat. Setiap resep di buku ini bisa dipraktikkan dengan alat bahan dan cara kerja yang tertera. Bahan pembuatan obat pun dijelaskan secara rinci. Buku ini menjelaskan tentang bentuk sediaan obat, baik berupa padat, setengah padat, maupun cairan. Contohnya seperti serbuk bubuk, pulveres, kapsul, pil, solutio/larutan, pasta, mixtura dan lain-lain. Selain menjelaskan bentuk sediaan, buku ini berisi petunjuk pengerjaan resep dan proses perhitungannya. Tak hanya itu, dalam buku ini dijelaskan secara lengkap permasalahan dan pembahasan mengenai masalah yang diambil saat proses pembuatan resep obat. Buku ini berisi pengetahuan yang diambil dari berbagai referensi buku yang terpercaya. Buku ini menarik untuk dibaca.khususnya mahasiswa farmasi ataupun orang lain yang tertarik mempelajari resep dan pembuatannya. Buku ini bisa dijadikan bahan referensi dan belajar untuk praktikum dan membuat laporan praktikum. Dengan membaca buku ini, kita bisa memahami pembuatan resep dan perhitungannya. Buku ini dapat dijadikan bahan pengetahuan obat yang baik dan lengkap. Buku ini menjelaskan resep secara detail dan baik dan menyajikan contoh perhitungan dosis resep,tentu nya bisa dipelajari bersama. Tujuan penyusunan buku ini membawa manfaat berupa pengetahuan mengenai resep obat dan perhitungannya bagi pembaca. Jadi, membaca buku ini dapat memberi kita pengetahuan obat secara lengkap tentang obat, proses pembuatannya, perhitungannya, dan informasi tambahan lainnya yang berguna bagi pembaca. www.guepedia.com Email : guepedia@gmail.com WA di 081287602508 Happy shopping & reading Enjoy your day, gyy

**Petunjuk Praktikum Kimia Dasar IAIN Palangka Raya**  
**Experimental Physical Chemistry**  
**Trk Cerdas Bank Soal Kimia SMA**  
**Handbook of Pharmaceutical Excipients**  
**Phytochemical Methods**  
**Macroscale and Microscale**  
Poucher's Perfumes Cosmetics and Soaps has been in print since 1923 and is the classic reference work in the field of cosmetics. Now in a fully updated 10th edition, this new volume provides a firm basic knowledge in the science of cosmetics (including toiletries) as well as incorporating the latest trends in scientific applications and legislation which have occurred since the 9th edition. This edition will not only be an excellent reference book for students entering the industry but also for those in specialized research companies, universities and other associated institutions who will be able to gain an overall picture of the modern cosmetic science and industry. The book has been logically ordered into four distinct parts. The historical overview of Part 1 contains an essay demonstrating William Arthur Poucher's influence on the 20th Century cosmetics industry as well as a chapter detailing the long history of cosmetics. Part 2 is a comprehensive listing of the properties and uses of common cosmetic types, ranging from Antiperspirants through to Sunscreen preparations. There are an increased number of raw materials in use today and their chemical, physical and safety benefits are carefully discussed along with formulation examples. The many additions since the last edition demonstrate the dramatic recent expansion in the industry and how changes in legal regulations affecting the development, production and marketing of old, established and new products are operative almost worldwide. Information on specialist products for babies and others is included within individual chapters. The chapters in Part 3 support and outline the current guidelines regarding the assessment and control of safety and stability. This information is presented chemically, physically and microbiologically. Part 3 chapters also detail requirements for the consumer acceptability of both existing and new products. Those legal regulations now in force in the EU, the USA and Japan are carefully described in a separate chapter and the remaining chapters have been extensively updated to explain the technical and practical operations needed to comply with regulations when marketing. This information will be invaluable to European Union and North American companies when preparing legally required product information dossiers. The final chapters in Part 4 contain useful information on the psychology of perfumery as well as detailing methods for the conduct of assessment trials of new products. As ingredient labelling is now an almost universal legal requirement the International Nomenclature of Cosmetics Ingredients (INCI) for raw materials has been used wherever practicable. The advertised volume is the 10th edition of what was previously known as volume 3 of Poucher's Cosmetics and Soaps. Due to changes in the industry there are no plans to bring out new editions of volume 1 and 2.  
While there are many books available on methods of organic and biochemical analysis, the majority are either primarily concerned with the application of a particular technique (e.g. paper chromatography) or have been written for an audience of chemists or for biochemists work ing mainly with animalissues. Thus, no simple guide to modern metho ds of plant analysis exists and the purpose of the present volume is to fill this gap. It is primarily intended for students in the plant sciences, who have a botanical or a general biological background. It should also be of value to students in biochemistry, pharmacognosy, food science and 'natural products' organic chemistry. Most books on chromatography, while admirably covering the needs of research workers, tend to overwhelm the student with long lists of solvent systems and spray reagents that can be applied to each class of organic constituent. The intention here is to simplify the situation by listing only a few specially recommended techniques that have wide currency in phytochemical laboratories. Sufficient details are provided to allow the student to use the techniques for themselves and most sections contain some introductory practical experiments which can be used in classwork. The most trusted general chemistry text in Canada is back in a thoroughly revised 11th edition. General Chemistry: Principles and Modern Applications, is the most trusted book on the market recognized for its superior problems, lucid writing, and inclusion of argument and precise and detailed treatment of the subject. The 11th edition offers enhanced hallmark features, new innovations and revised discussions that that respond to key market needs for detailed and modern treatment of organic chemistry, embracing the power of visual learning and conquering the challenges of effective problem solving and assessment. Note: You are purchasing a standalone product; MasteringChemistry does not come packaged with this content. Students, if interested in purchasing this title with MasteringChemistry, ask your instructor for the correct package ISBN and Course ID. Instructors, contact your Pearson representative for more information. If you would like to purchase both the physical text and MasteringChemistry, search for: 0134097327 / 9780134097329 General Chemistry: Principles and Modern Applications Plus MasteringChemistry with Pearson eText -- Access Card Package, 11/e Package consists of: 0132931281 / 9780132931281 General Chemistry: Principles and Modern Applications 0133387917 / 9780133387919 Study Card for General Chemistry: Principles and Modern Applications 0133387801 / 9780133387803 MasteringChemistry with Pearson eText -- Valuepack Access Card -- for General Chemistry: Principles and Modern Applications

Its Isolation and Measurement and the Determination of Some of Its Properties

Chemistry, Physics, and Applications

Liquid Crystals: Beyond Displays

The Electron

Organic Experiments

Principles and Modern Applications

*Buku ini merupakan petunjuk dan penuntun praktikum Kimia Dasar untuk Program Studi Tadris Biologi dan Tadris Fisika Jurusan Pendidikan MIPA Fakultas Tarbiyah dan Ilmu Keguruan IAIN Palangka Raya. Petunjuk ini telah beberapa kali mengalami perubahan dan perubahan terakhir pada tahun 2019*

*-- Uses the stress-adaptation model as its conceptual framework -- The latest classification of psychiatric disorders in DSM IV -- Access to 50 psychotropic drugs with client teaching guidelines on our website -- Each chapter based on DSM IV diagnoses includes tables with abstracts describing recent research studies pertaining to specific psychiatric diagnoses -- Within the DSM IV section, each chapter features a table with guidelines for client/family education appropriate to the specific diagnosis -- Four new chapters: Cognitive Therapy, Complementary Therapies, Psychiatric Home Health Care, and Forensic Nursing -- Includes critical pathways for working in case management situations -- Chapters include objectives, glossary, case studies using critical thinking, NCLEX-style chapter review questions, summaries, and care plans with documentation standards in the form of critical pathways -- The only source to thoroughly cover assertiveness training, self-esteem, and anger/aggression management -- Key elements include historic and epidemiologic factors; background assessment data, with predisposing factors/symptomatology for each disorder; common nursing diagnoses with standardized guidelines for intervention in care; and outcome criteria, guidelines for reassessment, evaluation of care, and specific medication/treatment modalities -- Special topics include the aging individual, the individual with HIV/AIDS, victims of violence, and ethical and legal issues in psychiatric/mental health nursing -- Includes information on the Mental Status exam, Beck depression scale, and Holmes & Rahe scale defense mechanisms criteria*

*PETUNJUK PRAKTIKUM BOKIMIA**Ajakad Media Publishing*

*Bibliografi beranotasi sains dan teknologi*

*koleksi Perpustakaan Nasional RI*

*Psychiatric/Mental Health Nursing*

*Poucher's Perfumes, Cosmetics and Soaps*

*Martin's Physical Pharmacy and Pharmaceutical Sciences*

*Vogels Textbook Of Quantitative Chemical Analysis*

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The chemistry, physics, and applications of liquid crystals beyond LCDs. Liquid Crystals (LCs) combine order and mobility on a molecular and supramolecular level. But while these remarkable states of matter are most commonly associated with visual display technologies, they have important applications for a variety of other fields as well. Liquid Crystals Beyond Displays: Chemistry, Physics, and Applications considers these, bringing together cutting-edge research from some of the most promising areas of LC science. Featuring contributions from respected researchers from around the globe, this edited volume emphasizes the chemistry, physics, and applications of LCs in areas such as photoacoustics, light-emitting diodes, field-effect transistors, lasers, molecular motors, nanophotonics and biosensors. Specific chapters look at magnetic LCs, lyotropic chromonic LCs, LC-based chemical sensors, LCs in metamaterials, and much more. Introducing readers to the fundamentals of LC science through the use of illustrative examples, Liquid Crystals Beyond Displays covers not only the most recent research in the myriad areas in which LCs are being utilized, but also looks ahead, addressing potential future developments. Designed for physicists, chemists, engineers, and biologists working in academia or industry, as well as graduate students specializing in LC technology, this is the first book to consider LC applications across a wide range of fields.

Buku petunjuk praktikum diharapkan dapat memberikan panduan pelaksanaan teknis kegiatan praktikum laboratorium terkait mata kuliah praktikum Biokimia. Adapun materi praktikum dalam buku ini telah disesuaikan dengan instrumen pembelajaran dan sejalan dengan konsep yang dipelajari pada teori Biokimia. Buku petunjuk praktikum biokimia ini disusun untuk menjawab kebutuhan mahasiswa akan keterampilan dasar dalam memahami bidang Farnasi dan Biomedik.

Kumpulan Resep dan Perhitungan Farnasi

BUKU AJAR FARMASI FISIKA

PCR Protocols

Matematika Farnasi Dasar

General Chemistry

Laboratory Experiments for General, Organic & Biochemistry

*Ilmu farmasi adalah ilmu yang mempelajari cara membuat, mencampur, meracik, memformulasi, mengidentifikasi, mengombinasi, menganalisis, serta menstandarisasi obat dan pengobatan juga sifat-sifat obat beserta pendistribusian dan penggunaannya secara aman. Dalam praktiknya ilmu farmasi ini tidak terlepas dari perhitungan-perhitungan yang melibatkan keilmuan matematika, yang bertujuan untuk menjamin ketepatan dosis obat yang diberikan ke pasien. Buku ini memberikan banyak contoh soal perhitungan yang memang ditemui di praktik kefarmasian beserta cara penyelesaiannya. Untuk menjamin pemahaman dan mengasah keterampilan pembaca dalam mengerjakan soal-soal matematika di bidang farmasi, maka kami melengkapi soal-soal yang lebih menantang di akhir setiap bab yang tersaji dalam buku ini. Buku ini akan memberikan manfaat yang sangat efektif bagi pembacanya apabila dibaca dari awal dan soal-soalnya dikerjakan hingga rampung. Matematika Farnasi Dasar ini diterbitkan oleh Penerbit Deepublish dan tersedia juga dalam versi cetak.*

**PRINCIPLES OF INSTRUMENTAL ANALYSIS is the standard for courses on the principles and applications of modern analytical instruments. In the 7th edition, authors Skoog, Holler, and Crouch infuse their popular text with updated techniques and several new Instrumental Analysis in Action case studies. Updated material enhances the book’s proven approach, which places an emphasis on the fundamental principles of operation for each type of instrument, its optimal area of application, its sensitivity, its precision, and its limitations. The text also introduces students to elementary analog and digital electronics, computers, and the treatment of analytical data. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.**

*Ada sebuah proses yang harus dijalani untuk mencapai kesuksesan, begitu juga sukses dibidang akademik, proses belajar harus dijalani. Untuk itu, kami menyusun buku ini untuk mendampingi siswa dalam proses belajar demi meraih kesuksesan. Buku disusun sistematis, untuk memudahkan siswa dalam memahami materi secara lebih mendalam. Dalam setiap bab buku ini ada 3 (tiga) bagian. Bagian pertama tentang rangkuman materi, bertujuan untuk memudahkan siswa mengingat materi yang di sajikan dalam bab tersebut. Bagian kedua berisi trik cerdas penyelesaian soal-soal ujian nasional dan ujian masuk perguruan tinggi negeri (PTN). Bagian ketiga merupakan pendalaman materi, yang berisi soal latihan standar Ujian Nasional maupun Ujian Masuk PTN. Soal-soal yang disajikan dalam buku ini merupakan soal-soal pilihan yang kami ambil dari soal ujian nasional dan soal ujian masuk PTN. Sebagian besarnya adalah model soal terbaru. Kami berharap buku ini dapat memberikan gambaran nyata kepada siswa mengenai soal yang pernah diujikan sehingga siswa mampu mengenali diferensiasi model soal yang keluar. Dengan memahami berbagai macam model soal, siswa dituntut untuk siap lebih dini dalam menghadapi ujian. Buku ini dilengkapi aplikasi android. Ada tiga aplikasi yang kami berikan secara gratis yaitu: Aplikasi Simulasi KIMIA/BAB Aplikasi Ujian Nasional Lengkap Aplikasi SBMPTN Lengkap Buku dan Aplikasi yang ada dalam buku ini memuat 2210 Butir Soal. Jumlah Soal yang Fantastis, yang tidak pernah ada di buku lain yang khusus membahas Kimia. (Genta Smart Publisher)*

**PETUNJUK PRAKTIKUM BOKIMIA**

**A Guide to Methods and Applications**

**Antibiotics in Laboratory Medicine**

**Introduction to Infrared and Raman Spectroscopy**

**Buku Penuntun Praktikum Fitokimia Edisi 1**

**Alat-alat Laboratorium Tingkat Universitas Kategori I**

Martin's Physical Pharmacy and Pharmaceutical Sciences is considered the most comprehensive text available on the application of the physical, chemical and biological principles in the pharmaceutical sciences. It helps students, teachers, researchers, and industrial pharmaceutical scientists use elements of biology, physics, and chemistry in their work and study. Since the first edition was published in 1960, the text has been and continues to be a required text for the core courses of Pharmaceutics, Drug Delivery, and Physical Pharmacy. The Sixth Edition features expanded content on drug delivery, solid oral dosage forms, pharmaceutical polymers and pharmaceutical biotechnology, and updated sections to cover advances in nanotechnology.

A fundamental understanding of polymers has evolved in recent years concurrent with advances in analytical instrumentation. The theories and methodologies developed for the galacturonic biopolymers (collectively called pectins) have seldom been discussed comprehensively in the context of the new knowledge. This text explains the scientific and technical basis of many of the practices followed in processing and preparing foods fabricated with or containing pectin. The material is presented in a very readable fashion for those with limited technical training.

Structural analysis Commercial extractions methods Pectin formulations and tropical fruit Inulin Molecular mechanisms of gelatin Enzymology Polymer conformation techniques Analytical methods of polymer analysis

The second edition of this invaluable handbook covers converting vegetable oils, animal fats, and used oils into biodiesel fuel. The Biodiesel Handbook delivers solutions to issues associated with biodiesel feedstocks, production issues, quality control, viscosity, stability, applications, emissions, and other environmental impacts, as well as the status of the biodiesel industry worldwide. Incorporates the major research and other developments in the world of biodiesel in a comprehensive and practical format Includes reference materials and tables on biodiesel standards, unit conversions, and technical details in four appendices Presents details on other uses of biodiesel and other alternative diesel fuels from oils and fats

Microbiology: A Laboratory Manual, Global Edition

The Theory and Practice of Industrial Pharmacy

De Materia Medica

Clarke's Analysis of Drugs and Poisons

In Pharmaceuticals, Body Fluids and Postmortem Material

Vogel's Qualitative Inorganic Analysis, 7/e

Pharmaceutical Care Practice Introduces a new practice paradigm, moving the profession of pharmacy from one involved with simply the dispensing of drugs to one involving the management of a patient’s drug therapy needs. More than ever before, the pharmacist will be responsible for a patient’s drug therapy assessment, understanding their history, developing a care plan, achieving therapeutic goals and scheduling follow-up attitude, behaviors, commitments, concerns, ethics, functions, knowledge, responsibilities and skills on the provision of drug therapy to achieve definite outcomes that improve the patient’s quality of life. This important book is meant to update the clinical skills of practicing pharmacists, and will serve the needs of students as a core introductory textbook.

The full text downloaded to your computer. With eBooks you can search for key concepts, words and phrases make highlights and notes as you study share your notes with friends Print 5 pages at a time Compatible for PCs and MACS No expiry (offline access will remain whilst the Bookshelf software is installed. eBooks are downloaded to your computer and accessible either offline through the VitalSource Bookshelf (available as a free download), available online and also via the iPad/Android app. When the eBook is purchased, you will receive an email with your access code. Simply go to http://bookshelf.vitalsource.com/ to download the FREE Bookshelf software. After installation, enter your access code for your eBook. Time limit The VitalSource products do not have an expiry date. You will continue to access your VitalSource products whilst you have your VitalSource Bookshelf installed. For courses in

Microbiology Lab and Nursing and Allied Health Microbiology Lab A Flexible Approach to the Modern Microbiology Lab Easy to adapt for almost any microbiology lab course, this versatile, comprehensive, and clearly written manual is competitively priced and can be paired with any undergraduate microbiology text. Known for its thorough coverage, straightforward procedures, and minimal equipment requirements, the Eleventh Edition incorporates current safety protocols from governing bodies such as the EPA, ASM, and AOAC. The new edition also includes alternate organisms for experiments for easy customisation in Biosafety Level 1 and 2 labs. New lab exercises have been added on Food Safety and revised experiments, and include options for alternate media, making the experiments affordable and accessible to all lab programs. Ample introductory material, engaging clinical applications, and laboratory safety instructions are provided for each experiment along with easy-to-follow procedures and flexible lab reports with review and critical thinking questions.

eaders will find this book to be the most comprehensive source on pharmaceutical dosage forms and drug delivery systems. Physical Pharmacy Capsules highlight key concepts with boxes, providing easy reference. Reflecting traditional pharmaceutics pedagogy, the new edition is organized by dosage form rather than by route of administration

A text-book of practical organic chemistry

Physical Chemical and Biopharmaceutical Principles in the Pharmaceutical Sciences

The Biodiesel Handbook

The Pharmaceutical CODEX: Principles & Practice of Pharmaceutics, 12e (HB)

Concepts of Care

Ketersediaan sumber belajar yang makin banyak sangat diperlukan oleh para mahasiswa pada semua jenjang (D3, S1, S2 dan S3). Dalam mengembangkan bahan kuliah, para dosen biasanya merujuk kepada berbagai sumber belajar yang relevan. Ketersediaan buku ajar yang ditulis sendiri oleh dosen pengampu mata kuliah pada jenjang D3 atau S1 masih jarang. Sesungguhnya, ketersediaan buku teks atau buku ajar mata kuliah yang ditulis sendiri oleh dosen pengampu mata kuliah itu memiliki beberapa keuntungan. Pertama, dosen yang berpengalaman memiliki penguasaan yang baik mengenai struktur kajian bidang ilmu yang diketukinya, sehingga buku tersebut akan memiliki keunggulan dibandingkan dengan buku yang ditulis oleh penulis lainnya. Kedua, buku teks atau buku ajar jenis ini akan memudahkan proses pembelajaran karena baik dosen maupun mahasiswa, dalam proses perkuliahannya, dengan mudah dapat mengikuti struktur kajian keilmuan yang sedang dibahasnya. Buku ajar ini memberikan dasar-dasar teori dan praktik untuk meningkatkan pengetahuan dan kemampuan merancang, melaksanakan, dan melaporkan hasil-hasil pembelajaran bidang farmasi fisika. Semoga kehadiran buku ajar ini bisa semakin memperkaya khazanah pengetahuan para pembaca dan mahasiswa khususnya.

The correct procedures you need for frustration-free PCR methods and applications are contained in this complete, step-by-step, clearly written, inexpensive manual. Avoid contamination--with specific instructions on setting up your lab Avoid cumbersome molecular biological techniques Discover new applications

With contributions from over 70 international experts, this reference provides comprehensive coverage of plant physiological stages and processes under both normal and stressful conditions. It emphasizes environmental factors, climatic changes, developmental stages, and growth regulators as well as linking plant and crop physiology to the production of food, feed, and medicinal

compounds. Offering over 300 useful tables, equations, drawings, photographs, and micrographs, the book covers cellular and molecular aspects of plant and crop physiology, plant and crop physiological responses to heavy metal concentration and agrichemicals, computer modeling in plant physiology, and more.

**A Guide to Modern Techniques of Plant Analysis**

**Handbook of Plant and Crop Physiology**

**Spot Tests in Inorganic Analysis**

**A Text-book of Macro and Semimicro Qualitative Inorganic Analysis**

**Berita Idayu Bibliografi**

**Principles of Instrumental Analysis**

This manual and reference work provides a source of analytical data for drugs and related substances. It is aimed at scientists faced with the problem of identifying a drug in a pharmaceutical product, in a sample of tissue or body fluid, from a living patient or in post-mortem material.

An internationally acclaimed reference work recognized as one of the most authoritative and comprehensive sources of information on excipients used in pharmaceutical formulation with this new edition providing 340 excipient monographs. Incorporates information on the uses, and chemical and physical properties of excipients systematically collated from a variety of international sources including: pharmacopias, patents, primary and secondary literature, websites, and manufacturers' data; extensive data provided on the applications, licensing, and safety of excipients; comprehensively cross-referenced and indexed, with many additional excipients described as related substances and an international supplier's directory and detailed information on trade names and specific grades or types of excipients commercially available.

Implement the most current science and practice in antimicrobial research. Now, find the newest approaches for evaluating the activity, mechanisms of action, and bacterial resistance to antibiotics with this completely updated, landmark reference. Turn to this comprehensive reference for groundbreaking evidence on the molecular link between chemical disinfectants, sterilants, and antibiotics. On the latest methods for detecting antibacterial resistance genes in the clinical laboratory, and antiviogram use to select the most active antiviral components against your patient's HIV.

Pharmaceutical Care Practice

Including qualitative organic analysis. With diagrams and 8 photographs

Pharmaceutical Dosage Forms and Drug Delivery Systems

The Chemistry and Technology of Pectin

The market leader for the full-year organic laboratory, this manual derives many experiments and procedures from the classic Feiser lab text, giving it an unsurpassed reputation for solid, authoritative content. The Sixth Edition includes new experiments that stress greener chemistry, as well as updated NMR spectra and a Premium Website that includes glassware-specific videos with pre-lab, gradable exercises. Offering a flexible mix of macroscale and microscale options for most experiments, this proven manual emphasizes safety and allows instructors to save on the purchase and disposal of expensive, sometimes hazardous, organic chemicals.

Microscale versions can be used for less costly experiments, allowing students to get experience working with conventionally-sized glassware.

Introduction to Infrared and Raman Spectroscopy focuses on the theoretical and experimental aspects of infrared and Raman spectroscopy, with emphasis on detailed group frequency correlations and their vibrational origin. Topics covered include vibrational and rotational spectra, molecular symmetry, methyl and methylene groups, triple bonds and cumulated double bonds, and olefin groups. Aromatic and heteroaromatic rings are also considered, along with carbonyl compounds and molecular vibrations. This book is comprised of 14 chapters and begins with a discussion on the use of Raman and infrared spectroscopy to study the vibrational and rotational frequencies of molecules, paying particular attention to photon energy and degrees of freedom of molecular motion. The quantum mechanical harmonic oscillator and the anharmonic oscillator are described. The next chapter focuses on the experimental techniques and instrumentation needed to measure infrared absorption spectra and Raman spectra. Symmetry is then discussed from the standpoint of the spectroscopist. The following chapters explore the vibrational origin of group frequencies, with an emphasis on mechanical effects; spectra-structure correlations; and the spectra of compounds such as ethers, alcohols, and phenols. The final chapter demonstrates how the frequencies and forms of a nonlinear molecule's normal modes of vibration may be calculated mathematically. This monograph will be a useful resource for spectroscopists and physical scientists.

Many years have passed since the last edition of the present book was published. The discovery during this period of many new reagents has resulted in a vast accumulation of data on their application and made this completely revised edition necessary. Numerous new tests and various new chapters have been added. Chapters 3,4 and 5 of the fifth edition have been combined into one chapter, which is divided into sections devoted to the elements. These sections are arranged in alphabetical order to make for easier location of information on a given element. To further improve the usefulness of the volume, a reference list has been provided for each sub-section followed by a biography of the appropriate quantitative methods.