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Altri autori (Persone)	DegreveJan ShimadaManabu JuYi-Hsu AhmadArshad AnugrahaRendra Panca FahmiFahmi MekaWahyu RozyMohammad Irwan Fatkhur WigunoAnnas
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Nota di contenuto	Intro -- 4th International Seminar on Fundamental and Application of Chemical Engineering (ISFACHE) -- Preface -- Table of Contents -- Chapter 1: Food Chemistry and Biotechnologies -- The Effect of Sodium Sulfite with Varying Concentration on the Separation of Gliadin from Gluten -- Amylose Isolation of Cassava Starch with the Combination of High Shear Mixer and Centrifugation Treatment to Improve the Quality of Resistant Starch Type 3 (RS-3) Products -- Utilization of Oil Recovery Process on Spent Bleaching Earth into Non-Hazardous Waste -- Resistance of Paecilomyces variotii Mold Ascospores to Dense CO2 and Dense CO2- Assisted Thermal Processing -- Potential of Using Fly Ash as an Additional Mixture for

Planting Medium -- Utilizing Organic Waste for Biopesticide: Efficacy and Mortality Test against *Spodoptera litura* with Entomopathogenic Microorganisms -- Preparation of Sulfonated SiO₂ Catalyst from Geothermal Sludge Waste for Sago Flour Hydrolysis -- Chapter 2: Wastewater Treatment -- Treatment of Laboratory Wastewater with High Sulfate Concentrations Using Eco-Enzyme as an Environment-Friendly Coagulant -- Removal of Cadmium from Aqueous Solution Using Composite Nanostructure Natural Zircon and Magnetite Particles (Fe₃O₄@ZrO₂) as an Adsorbent -- Optimization Using Central Composite Design (CCD) on Cellulose Acetate/Polyethylene Glycol Composite Beads for Adsorption of Methylene Blue in Batch System -- Influence of Current Density for Pollutant Removal from Palm Oil Mill Effluent -- Chapter 3: Process Systems Engineering -- Effect of Natural Gas Composition, Ratio of Methane-Steam and Methane-Air on Ammonia Products -- Process Simulation and Optimization of Heat Pump Assisted Distillation Based Condensate Stabilization Unit -- Production of Cu-EDTA, Zn-EDTA, CuZn-EDTA as a Micronutrient Fertilizer and its Application to Lettuce.
Keyword Index -- Author Index.

Sommario/riassunto

Selected peer-reviewed full text papers from the 4th International Seminar on Fundamental and Application of Chemical Engineering (ISFACHE 2022) Selected peer-reviewed full text papers from the 4th International Seminar on Fundamental and Application of Chemical Engineering (ISFACHE 2022), October 26-27, 2022, Surabaya, Indonesia (virtual).
