Table of Contents

Preface

Chapter 1: Wastewater Treatment and Waste Recycling

Bioreactor with Petrophilic Bacteria	
E. Nurisman, A.D. Pritania, S.P. Lestari, R. Rahmatullah and A.M. Jannah	3
Study of Retention Time Variation on Constructed Wetland Performance for Kitchen Wastewater Treatment	
F. Alia, P.K. Wardhani, S. Sarino and A.L. Yuono	13
Removal of Chromium (VI) from Aqueous Solution Using Bentonite: The Effect of Adsorbent Dose on Characteristic, Isotherm and Kinetic Study	2.7
L. Cundari, S.A. Renelda, N.H.T. Molek, S.P. Amaliah and F. Azzahra	25
Chapter 2: Civil Engineering	
Analysis of the Bearing Capacity of Group Pile Foundations with the Vesic Method A.P.S. Dewi and T. Sutabri	39
Environment Effects of Refined Palm Oil (RPO) on Concrete Mixes S.M. Sipayung, A. Kurniawandy and M. Ikhsan	49
Chapter 3: Architecture, Urban Planning and Traffic Safety	
Colonial Architecture's Response to the Tropical Environment: Exploring the Concept of Karsten's Garden City in Indonesia	
E. Lestari, M.F. Oktarini, A. Siswanto and K. Krispantono	59
Effect of Deformation of the Garsela Fault and Secondary Faults on Seismic Hazards, Case Study: Pasirwangi District, Garut Regency	
E. Sukmaningsih and B. Setiawan	67