



May
2022

JCEPD

JOURNAL OF CIVIL ENGINEERING PLANNING and DESIGN

Faculty of Civil Engineering and Planning
Institut Teknologi Adhi Tama Surabaya - ITATS

May 2022
Volume 01 | Issue 01

ITATS
Faculty of
Civil Engineering and Planning

Editorial Team

Editor-in-Chief

Mochamad Junaidi Hidayat, Institut Teknologi Adhi Tama Surabaya, Indonesia

Sinta ID: 5985755, Scopus ID : 57223874408, Indonesia

Editor

Faza Wahmuda, Institut Teknologi Adhi Tama Surabaya, Indonesia

Nareswaranandya, Institut Teknologi Adhi Tama Surabaya, Indonesia

Hamdan Bahalwan, Institut Teknologi Adhi Tama Surabaya, Indonesia

Dewi Kusumaningrum, Institut Teknologi Adhi Tama Surabaya, Indonesia

Reviewer

Wahyono Hadi, Institut Teknologi Adhi Tama Surabaya, Indonesia

Achmad Syarief, Institut Teknologi Bandung, Indonesia

Maritha Nilam Kusuma, Institut Teknologi Adhi Tama Surabaya, Indonesia

Sawanya - Laohaprapanon, School of Public Health, Walailak University No. 222 T. Thaiburi,

Thasala district, Nakorn Si Thammarat 80160, Thailand

Sabaidee Phetyasone Xaypanya, National University of Laos (NUOL), Lao People's Democratic Republic

Hello Ernsou Fenelon, Universite Notre Dame d'Haiti, Haiti

Adnan Hussain, National Kaohsiung University of Science and Technology, Taiwan

Achmad Chusnun Ni'am, Scopus ID: 57201586387, Institut Teknologi Adhi Tama Surabaya, Indonesia

Dr. Eng. Mohamad Ferdaus Noor Aulady S.T., M.T., M.Sc.,

Institut Teknologi Adhi Tama Surabaya, Indonesia, Scopus ID : 57209249127, SINTA ID : 6052628

Wiwik Widyo Widjajanti, Institut Teknologi Adhi Tama Surabaya, Indonesia



May 2022, Vol. 1 No.1

ISSN 2830-3628



9 772830 362009

Modelling BOD, COD, AND TSS In Rivers: A Case Study of Surabaya River in Indonesia Mohammad Razif	1-7
Influence Of the Degree of Compaction and Plastic Properties of Expansively Stabilized Clay Soil with A Gypsum Mix on The Shear Strength Gati Sri Utami, Dewi Kusumaningrum, Salman Attamimi	8-15
Redesign Of Anaerobic-Aerobic Biofilter for Domestic Wastewater Treatment Plant in Textile Industry Rachmanu Eko Handriyono, Amelia Kencana Rukmi	16-22
Design Analysis of Triangular Minipile for Cohesive Soil: A Study Case Mila Kusuma Wardani, M.Ferdaus N.A, Arintha IDS, Febiana P	23-29
Identification Of Samin Community Culture in Bojonegoro Towards Environmental Sustainability in Rural Area Rizki Alfian, Irawan Setyabudi, Dian Kartika Santoso	30-36
Baking Soda as A Fixation of Remasol Is an Effective Method for Coloring Batik to Be Combined with Other Types of Colours Karsam	37-44
Study Of Inundation Management on Tertiary Drainage Channels in Keputih Tegal Surabaya City Dyan Eka Nurhayati, Jenny Caroline, Dewi Kusumaningrum	45-49
Study Comparison P-Delta Effect Analysis Depends on Height Variation of The Building Heri Istiono, Eka Susanti, Jaka Propika, Azhar Yusuf Ramadhan	50-59
The Management of Medium Hazard Potential at Trimitra Sejati Jaya Ltd (Glue Production) Maritha Nilam Kusuma, Safira Aulia Madinah	60-72
Design Exploration of Bamboo Micro House Using Hyperbolic Paraboloid Structure Nareswaranandya, Sigit Hadi Laksono, Annisa Nur Ramadhani	73-80