Contents

The Application of Industrial Wastewater Management at Jakarta Industrial Estate Pulo Gadung
Dr. Ir. Raden Achmad Harianto 01

Does Participation of Women in Agriculture Changes their Socio-Economic Status? - An Investigation
Dr. R. Dayanandan 09

Impact of ‘Adl Self-Management Module’ on Health Related Quality of Life Among Road Traffic Accidents’ Patients: A Quasi-Experimental Research Approach
Majed E. Al Thomali, Muhamad Hanafiah Juni, Rosliza Abdul Manaf, Hayati Kadir Shahar & Abdelsafi Abbas Mohammed Gabbad 23

Knowledge Workers Manages Matching Personality by Market Management Organization
Dr. Nasser Fegh-hi Farahmand 38

Teaching is a Noble Profession
Dr. R. Sekar 54

Seasonal and Spatial Variation of Flock Size of Asian Openbill Stork Anastomus Oscitans at Foraging Site in Nagapattinam District, Tamilnadu, India
Thangarasu Meganathan & Paul Jeevanadham 56
THE APPLICATION OF INDUSTRIAL WASTEWATER MANAGEMENT AT JAKARTA INDUSTRIAL ESTATE PULO GADUNG

Dr. Ir. Raden Achmad Harianto, MM

1 Associate Professor in Economics Faculty, University of Bhayangkara Jakarta - Indonesia.

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ABSTRACT

This Paper presents a synthetic review of studies and literature concerning the application of industrial wastewater management at Jakarta Industrial Estate Pulo Gadung Jakarta. Over the past ten years wastewater management has been engaged in industrial communities as a key for environmental management. Nearly 89% of the total industries in Indonesia are located in urban areas and discharge their wastewater into the river without any proper treatment. They contributed in increasing pollutants such as BOD, COD, and other contaminants like heavy metals for surface water. Many industries at Jakarta Industrial Estate Pulo Gadung do not have any wastewater treatment plant and although they have one, they are not willing to operate the treatment plant. It is caused by lack in technological and process expertise of wastewater. A technological approach like wastewater minimization and practical solution for various characteristics of industrial waste are presented with some illustrations of different processes treatment removal, land or surface area for environmental management and cost of construction and appurtenances.

INTRODUCTION

Corporate performance is measurable by its activities of which is proving by way of wastewater treatment. Nearly 89% on the total industries in Indonesia are located in urban area. Those industries discharges wastewater into the river without any proper primary treatment. As illustration, more than 720 industries are registered in the Brantas River (East Java, situation 2003) and 469 are asses as potential polluter for the rivers. They produced in terms of BOD is 82.7 ton / day and the most important part comes from from paper and pulp industries (42%). In Jakarta region (JABOTABEK) more than 1740

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