

Prosiding Sri Wiwoho Mudjanarko 30

by Sri Wiwoho Mudjanarko

Submission date: 05-Oct-2020 01:59PM (UTC+1000)

Submission ID: 1405490284

File name: 30._Prosiding.pdf (719.68K)

Word count: 766

Character count: 4708

Seal Slurry Analysis Based On Asbuton Addition and Cement Filler Variation

**Ivandy Rahmadiano Madya¹, Sri Wiwoho Mudjanarko¹, Wahyu Mulyo Utomo¹, Ronny
Dorotun¹, Agus Sukoco², Arthur Daniel Limantara³, Firdaus Pratama Wiwoho⁴, Abdul
Talib Bin Bon⁵**

¹Departement of Civil Engineering

²Management Business

Narotama University

Surabaya, 60117, Indonesia

³Departement of Civil Engineering

State University of Surabaya

Surabaya, Indonesia

⁴Departement of Civil Engineering

Institut Teknologi Sepuluh Nopember

Surabaya, 60117, Indonesia

⁵Fakulti Pengurusan Teknologi dan Perniagaan

Universiti Tun Hussein Onn Malaysia (UTHM)

Johor, Malaysia

sri.wiwoho@narotama.ac.id

agus.sukoco@narotama.ac.id

wahyu@uthm.edu.my

ronny.durrotun@narotama.ac.id

Abstract

Slurry Seal is thin gruel thick layer of skin with a maximum of 10 mm thick non comprising a mixture of bitumen emulsion without heating with ingredients fine graded aggregate, mineral filler, water and other ingredients are mixed add operates uniformly and drawn on differences shaped surface asphalt or pulp slurry. With addition of the disposals asbuton and variation filler is an efforts to make a slurry mixture quality seal better thus able to increase the resilience Southwestern slurry seal from expense traffic Vehicles. This study aims to review the findings disposals know asbuton and variation of filler with doing experiments in the lab. Testing conducted with slurry seal type III is testing the consistency, timing, and Indirect Tensile Strength (ITS). Making and testing the test object is based on the specifications special Planning Asphalt Emulsion Slurry (Slurry Seal) from Bina Marga (Highways) (2008). As a control mixture slurry seal consistency test conducted to review the levels get optimum air followed before the test timings and Indirect Tensile Strength (ITS) test. The analysis will be showed when lab study done. This study will be done at 'Laboratorium DPU Bina Marga Provinsi Jawa Timur, Jalan Gayungkebonsari No. 167 Surabaya' with materials that have been readily before and this study reviewed from 'Pelaksanaan Jalan Nasional Ruas Jalan Kertosono–Jombang–Mojokerto–Gempol Km. 28+100 – 93+000'

Keywords slurry seal, consistency, setting time, indirect tensile strength

Biographies

Ivandy Rahmadiano Madya is a Bachelor of Civil Engineering, Narotama University. He is an engineering officer of Bina Marga East Java Province of Indonesia

Wahyu Mulyo Utomo is a Lecturer / Supervisor, Departement of Civil Engineering, Narotama University, Surabaya Indonesia. Mr. Wahyu Mulyo Utomo holds a Bachelor of Electrical Engineering degree in Electrical Engineering from Brawijaya University, a Master of Electrical Engineering degree in Universiti Teknologies Malaysia dan a Doctor of Electrical Engineering degree in Universiti Teknologies Malaysia, Indonesia.

Sri Wiwoho Mudjanarko, is a Lecturer, Departement of Civil Engineering, Narotama University, Surabaya Indonesia. Sri Wiwoho Mudjanarko holds a Bachelor of Civil Engineering degree in Civil Engineering from Narotama University, a Master of Civil Engineering degree in Institut Teknologi Sepuluh Nopember Surabaya dan a Doctor of Civil Engineering degree in University of Brawijaya, Indonesia. He has been recognized as a professional engineer with more than 27 years of experience working with closely held businesses. He is a member of the Indonesian Railway Society (MASKA) Indonesia.

Ronny Dorotun is a Lecturer, Departement of Civil Engineering, Narotama University, Surabaya Indonesia. Mr. M. Ronny Dorotun holds a Bachelor of Architecture degree in ITATS, a Master of Civil Engineering degree in Teknologi Sepuluh Nopember Surabaya. He has been recognized as a professional construction management consultant with more than 8 years of experience working with closely held businesses.

Agus Sukoco is a Lecturer / Supervisor, Departement of Civil Engineering, Narotama University, Surabaya Indonesia. Mr. Agus Sukoco holds a Bachelor of Naval Engineering degree in Naval Engineering from Institut Teknologi Sepuluh Nopember, a Master of Management Business degree in Narotama University dan a Doctoral Student of Management Business degree in STESIA, Indonesia.

Arthur Daniel Limantara is a Bachelor of Civil Engineering, Narotama University. He is a Lecturer at Kadiri University, Indonesia and student master degree in Narotama University.

Prof. Dr. Abdul Talib Bin Bon is a Professor Management from Faculty Management of Technology and Private Vocational School, Department of Position and Manufacture of Expertise Field, Economics, Business and Management, Operations Management. Field Of Specialization Operations Research / Management, Qualification Institution 2008 Doctor Falsafah Computer Science Universite De La Rochelle, 1998 Graduate Private Vocational School Of Universiti Kebangsaan Malaysia, 1991 Youth Mechanical Private Vocational School Universiti Technology Malaysia, Year 1986 Malaysia Mechanical Diploma Of Mechanical Teachers.

Firdaus Pratama Wiwoho is a Bachelor Student of Environmental Engineering, Institut Teknologi Sepuluh Nopember. Surabaya, Indonesia

ORIGINALITY REPORT

6%

SIMILARITY INDEX

%

INTERNET SOURCES

6%

PUBLICATIONS

%

STUDENT PAPERS

PRIMARY SOURCES

1

Chinonso Kenneth Udokporo, Anthony Anosike, Ming Lim, Simon Peter Nadeem, Jose Arturo Garza-Reyes, Chidi Premie Ogbuka. "Impact of Lean, Agile and Green (LAG) on business competitiveness: An empirical study of fast moving consumer goods businesses", Resources, Conservation and Recycling, 2020

Publication

5%

2

Nyoman Sudapet, Agus Sukoco, Muhammad Ikhsan Setiawan, Paisal Halim et al. "Small and Medium Enterprises, Central Business District (CBD) for Accelerating of Regional Development", International Journal of Engineering & Technology, 2018

Publication

1%

Exclude quotes On

Exclude matches Off

Exclude bibliography On