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Ir. Syahrizal, M.T. was born in Banda Aceh on December 31, 1961, and is a Lecturer in Civil Engineering at Universitas Sumatera Utara. He completed a Master's Program in Civil Engineering at ITB in 1994.

Publications

2020

Prosiding seminar internasional

Crack Patterns Analysis on Structural Beam with Slag Cement

SYAHRIZAL

2018

Prosiding seminar internasional

Value Engineering Implementation on Construction Project of Suzuya Plaza, Tanjung Morawa

SYAHRIZAL

2018

Prosiding seminar internasional

The Effect of Polystyrene on Concrete Mechanical Properties

SYAHRIZAL

2020

Prosiding seminar internasional

Earned value concept analysis on project monitoring (Case study: Faculty of Forestry Universitas Sumatera Utara building construction phase 1)

SYAHRIZAL

2018

Prosiding seminar internasional

Life Cycle Cost Identification on Building Maintenance of Badan Pengelola Keuangan Daerah Pematangsiantar

SYAHRIZAL

2018

Prosiding seminar internasional

Utilization of Volcanic Ash of Mount Sinabung as a Substitute for Cement to Flexure Strength of Geopolymer Concrete

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2020

Jurnal internasional

GEOPOLYMER CONCRETE MADE FROM VOLCANIC ASH MOUNT SINABUNG

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2020

Prosiding seminar internasional

Development of Interlock Bricks with Eruption Ash of Mount Sinabung as One of Its Constituent Materials

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2018

Jurnal internasional bereputasi

Preliminary study of sinabung volcanic ash usage in the making of paving block type C and D

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2014

Jurnal internasional bereputasi

The Use of Volcanic Ash of Mount Sinabung Eruption as the Substitution of Fine Aggregate in Making Batako (Mass-Produced Brick)

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2018

Prosiding seminar internasional

Optimization of fly ash and bottom ash substitution against paving block manufacture according to SNI 03-0691-1996

SYAHRIZAL

2015

Jurnal internasional bereputasi

Optimization of the use of volcanic ash of Mount Sinabung eruption as the substitution for fine aggregate

SYAHRIZAL

2019

Prosiding seminar internasional

The Effect of Clamshell Ash Substitution to the Mechanical Properties of Concrete

SYAHRIZAL

2018

Prosiding seminar internasional

Slag Cement Optimization on Flexure Strength of High Quality Concrete with Various Treatment

SYAHRIZAL

2020

Jurnal internasional bereputasi

Geopolymer concrete made from volcanic ash of Mount Sinabung

SYAHRIZAL

2020

Prosiding seminar internasional

Shear behavior of interlocking masonry brick wall portal with the substitution of Mount Sinabung volcanic ash against pushover static load

SYAHRIZAL

2014

Jurnal internasional bereputasi

Acceleration Time Analysis of Project Work on Optimum Structure with Additional Cost

SYAHRIZAL

Researches

2024

Penelitian Unggulan Perguruan Tinggi

Analisis Mekanik Akustik dan Termal Pasangan Dinding Bata Interlock Seat Ampas Tebu sebagai Material Konstruksi Hijau

SYAHRIZAL

2024

Kanstin Beton Fly Ash dengan Lapisan TiO₂ sebagai Penyerap Emisi Kendaraan untuk Mengurangi kadar NO_x dalam mewujudkan Kota Hijau

SYAHRIZAL

Community Services

2023

TENAGA AHLI PDAM TIRTANADI PROVINSI SUMATERA UTARA

SYAHRIZAL

2025

PEMBANGUNAN MASJID AL-MUWAHHIDIN

SYAHRIZAL

2022

Pengembangan Ekowisata Mangrove Di Desa Kampung Nelayan Kecamatan Medan Belawan Kota Medan

SYAHRIZAL

2025

YAYASAN PENDIDIKAN ISLAM TEUKU NYAK ARIF

SYAHRIZAL

2024

TENAGA AHLI PDAM TIRTANADI PROVINSI SUMATERA UTARA

SYAHRIZAL

Intellectual Property Rights

2014

Paten nasional

Beton Mutu Tinggi Ramah Lingkungan: Optimalisasi Slag Cement Sebagai Bahan Dasar

SYAHRIZAL

2014

Paten nasional

PATEN BUKU MODIFIKASI BATA INTERLOCK

SYAHRIZAL

2014

Paten nasional

KOMPOSISI BATA BETON (PAVINGBLOCK) AGREGAT ABU VULKANIK, BESERTA CAMPURANNYA

SYAHRIZAL

2014

Paten nasional

Beton Penutup Drainase Lolos Air Untuk Mengatasi Genangan Air

SYAHRIZAL
