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*Dr. Ir. Nursyamsi S.T., M.T. dilahirkan di Medan pada tanggal 23 June 1977 merupakan seorang dosen di Universitas Sumatera Utara dengan bidang ilmu Material Beton. Beliau menyelesaikan pendidikan terakhirnya pada jenjang S3 di Fakultas Teknik Program Studi Teknik Sipil Universitas Sumatera Utara pada tahun 2021. Penghargaan yang diraih beliau, yaitu Satyalancana Karya Satya X Tahun.*

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## Publications

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2019

Jurnal internasional bereputasi

### **Analysis and experimental usage of CFRP wrap type on flexural strength of concrete beam**

NURSYAMSI

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2024

Jurnal internasional

### **Study on the Effect of Variation in Number of Panels on Natural Frequency**

ING JOHANNES TARIGAN , NURSYAMSI

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2024

Jurnal internasional

### **Analysis of Roof Displacement in Steel Structures with and without Panel Zone**

ING JOHANNES TARIGAN , NURSYAMSI

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2018

Jurnal internasional bereputasi

### **Comparison of compressive strength of paving block with a mixture of Sinabung ash and paving block with a mixture of lime**

NURSYAMSI

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2020

Jurnal internasional

### **Precast box culvert analysis with direct load**

ING JOHANNES TARIGAN , NURSYAMSI

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2021

Jurnal internasional bereputasi

### **Precast box culvert analysis with direct load**

NURSYAMSI

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2025

Jurnal nasional terakreditasi

### **Optimization of Barrel Vault Space Frame Model for Earthquake Resistant Structure**

NURSYAMSI , ING JOHANNES TARIGAN , OLOAN YOHANES SIREGAR

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2019

Jurnal internasional bereputasi

### **The influence of the usage of Idpe plastic waste as fine aggregate in light concrete bricks**

NURSYAMSI

2018

Jurnal internasional bereputasi

**The usage of carbon fiber reinforcement polymer and glass fiber reinforcement polymer for retrofit technology building**

NURSYAMSI

2023

Jurnal internasional bereputasi

**A Laboratory-Scale Study of Selected Chinese Typical Flammable Wildland Timbers Ignition Formation Mechanism**

NURSYAMSI

2018

Jurnal internasional bereputasi

**Effect of HDPE plastic waste towards batako properties**

NURSYAMSI

2018

Jurnal internasional

**The analysis of lightweight brick strength pressure with mixture of glass powder and silica fume**

NURSYAMSI

2016

Jurnal nasional

**Pengaruh Penggunaan Limbah Plastik LDPE Sebagai Agregat Halus Pada Batako Beton Ringan**

NURSYAMSI

2018

Jurnal internasional bereputasi

**The use of glass powder in making batako**

NURSYAMSI

2026

Jurnal internasional bereputasi

**The Utilization of can Waste as Fibre and the Addition of Fly Ash to Mechanical Characteristic of Concrete**

NURSYAMSI

2021

Jurnal internasional bereputasi

**Application of rice husk ash in high strength concrete**

NURSYAMSI

2020

Jurnal internasional bereputasi

**Study of bolon house structure as a traditional Batak Toba house on earthquake force**

NURSYAMSI , ING JOHANNES TARIGAN

2017

Jurnal internasional bereputasi

**The influence of pet plastic waste gradations as coarse aggregate towards compressive strength of light concrete**

NURSYAMSI

2021

Jurnal internasional bereputasi

**The utilization of plastic waste in a mixed pair of concrete brick walls**

NURSYAMSI

2024

Jurnal internasional

**Analysis of SCWB Ratio on Collapse Probability of SRPMK Concrete Structures**

2020

Jurnal internasional bereputasi

**Effect the silica sand percentage as substitution of fine aggregate on the concrete compressive strength**

NURSYAMSI

2024

Jurnal internasional

**Seismic Performance Analysis of Regular and Irregular Buildings Based on SNI 1726: 2019 Standards**

ING JOHANNES TARIGAN , NURSYAMSI

2025

Jurnal nasional terakreditasi

**Utilization of Metal-Layered Plastic Packaging Waste and Eggshell Powder as Partial Substitution Materials in Paving Blocks**

NURSYAMSI , ING JOHANNES TARIGAN , RAISHA TASSA

2024

Jurnal nasional terakreditasi

**Effect of Compressive Strength and Tensile Strength Value on Fiber Concrete Using Bendrat Wire Fibers**

ING JOHANNES TARIGAN , NURSYAMSI

2024

Jurnal internasional bereputasi

**Evaluating the behaviour of axially loaded hollow concrete block masonry walls with small-size openings: Various opening positions and their influence on experimental results**

NURSYAMSI

2016

Jurnal nasional

**Pemanfaatan Serbuk Kaca Sebagai Bahan Tambah Dalam Pembuatan Batako**

NURSYAMSI

2025

Jurnal nasional terakreditasi

**Comparative Analysis of Wind Load Standards on Space Truss Structures**

NURSYAMSI , ING JOHANNES TARIGAN , MAHESHA GANI TARIGAN

2020

Jurnal internasional

**Ultra-High-Performance Fiber-Reinforced Concrete an Alternative Material for Rehabilitation and Strengthening of Concrete Structures: A Review**

NURSYAMSI

2021

Jurnal internasional bereputasi

**The effect of shredded plastic waste PET and HDPE substitution on concrete characteristics**

NURSYAMSI

2021

Jurnal internasional bereputasi

**Structural analysis of traditional Batak Karo house against earthquake**

NURSYAMSI

2024

Jurnal internasional

**Effect of Addition of Dramix 3D Steel Fiber on Compressive Strength and Tensile Strength in Hpc (High-Performance Concrete) Concrete.**

ING JOHANNES TARIGAN , NURSYAMSI

# Researches

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2020

Penelitian Unggulan Perguruan Tinggi

## **KAJIAN BOX CULVERT BETON PRECAST TERHADAP ANALISIS DAN BEBAN LANGSUNG**

ING JOHANNES TARIGAN , NURSYAMSI

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2021

Penelitian Dana Lokal Perguruan Tinggi

## **Kajian Struktur Gaya Gempa Istana Maimun**

ING JOHANNES TARIGAN , NURSYAMSI

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2021

Penelitian Unggulan Perguruan Tinggi

## **KAJIAN BOX CULVERT BETON PRECAST TERHADAP ANALISIS DAN BEBAN LANGSUNG**

ING JOHANNES TARIGAN , NURSYAMSI

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# Community Services

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2022

## **Tim Pelaksana pengabdian masyarakat di desa binaan tahun 2022**

FAHMI , NURSYAMSI

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2024

Ipteks Bagi Masyarakat

## **Pengurus Wilayah PII Provinsi Sumatera Utara**

AHMAD PERWIRA MULIA TARIGAN , NURSYAMSI

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2024

Ipteks Bagi Masyarakat

## **optimasi pemanfaatan pondasi sumuran pada hotel deli river kecamatan namo rambe kabupaten deli serdang**

ING JOHANNES TARIGAN , NURSYAMSI , BETTARIA SONATA SIDABUTAR , GRACE HERDIYANTI , SECILIA BERNADETTA LUMBAN RAJA

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