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📍 USU Facilkom-TI Complex

🌐 [fasilkom-ti.usu.ac.id/en/lecturer/rossy-nurhasanah](https://fasilkom-ti.usu.ac.id/en/lecturer/rossy-nurhasanah)

*Mrs. Rossy Nurhasanah S.Kom., M.Kom was born in Simalungun Regency, North Sumatra on July 1, 2021. Mrs. Rossy earned her bachelor degree at Universitas Sumatera Utara, Computer Science Undergraduate Study Program in 2010. Then, she continued her master study at Institut Pertanian Bogor, in the Computer Science Master Program From 2013 to 2015.*

*Mrs. Rossy has attended several trainings such as Data Scientist - Artificial Intelligence for Lecturers and Instructors (Ministry of Communication and Informatics) in 2021, Sanger Sequencing Results Analysis and NGS - Online Bootcamp by INBIO INDONESIA in 2021, Basics of NGS Analysis and Identification of Single Nucleotide Polymorphism - Online Course INBIO Batch V in 2020 and PEKERTI and APPLIED APPROACH - UPP USU in 2018.*

*Mrs. Rossy is currently a lecturer at Universitas Sumatera Utara, specifically at the Information Technology Undergraduate Study Program. Not only that, he also has a career as a staff for UNIT PELAYANAN DAN PENGEMBANGAN PENDIDIKAN (UPP) USU in the field of Media, Information and Publications 2019-2021.*

*Mrs. Rossy's field of research is related to the fields of Data Science, Bioinformatics, Artificial Intelligence.*

*Throughout her life, Mrs. Rossy has always adhered to the one sentence she always remembers from Abu Bakar RA and Umar bin Khattab, "Put the world in your hands, not in your heart."*

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## Publications

2026

Prosiding seminar internasional

### **Hybrid Aspect-Based Sentiment Analysis and Net Reputation Score for Product Ranking from User Reviews**

ROSSY NURHASANAH , MUHAMMAD ISYAMMUDDIN , ADE SARAH HUZAIFAH

2026

Prosiding seminar internasional

### **Cyberbullying Detection in Social Media Comments Using a Classification-Based Approach**

IVAN JAYA , DEDY ARISANDI , ROSSY NURHASANAH , DINA NAZRANI , VICKY NATANAEL SINAGA

2026

Prosiding seminar internasional

### **Comparative Analysis of CNN and Transformer-Based Transfer Learning for Eucalyptus Leaf Classification under Limited Data**

ROSSY NURHASANAH , ADE SARAH HUZAIFAH , MUHAMMAD TAUFIK , CUT NASYWA YUMNA

2025

Jurnal nasional

### **COMMUNITY-BASED PRODUCTION OF LIQUID SMOKE AS A NON-CARCINOGENIC FISH PRESERVATIVE:-**

ROSSY NURHASANAH , MUHAMMAD TAUFIK , BOBY CAHYADY , MARIANY RAZALI , PINGKAN MASRUROH , NABILAH AZKA AZZAHRAH

2025

Jurnal nasional

### **Enhancing Understanding of AI-Based Digital Business Through Interactive Seminars for Information Technology Students**

ADE SARAH HUZAIFAH , ROSSY NURHASANAH , FANINDIA PURNAMASARI , IVAN JAYA , DEDY ARISANDI

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2025

Jurnal nasional terakreditasi

## **Topic Modelling on Beauty Product Reviews Using Latent Dirichlet Allocation**

ADE SARAH HUZAIFAH , ROSSY NURHASANAH , R. A. FATTAH ADRIANSYAH

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2024

Jurnal nasional terakreditasi

## **Penerapan Probabilistic Neural Network pada Klasifikasi Patogen Daun Bibit Jabon Berdasarkan Ciri Morfologi Spora**

YENI HERDIYENI , MELLY BR BANGUN , ROSSY NURHASANAH , ELIS NINA HERLIYANA

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2024

Prosiding seminar internasional

## **Automating Service Classification for Victims of Violence in Indonesia through Deep Learning Using Gated Recurrent Unit and fastText**

ROSSY NURHASANAH , DEDY ARISANDI

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2023

Jurnal internasional bereputasi

## **COMBINING SIGNAL TO NOISE RATIO AND UNDERSAMPLING IN SINGLE NUCLEOTIDE POLYMORPHISMS IDENTIFICATION**

AGUS BUONO , ROSSY NURHASANAH , WISNU ANANTA KUSUMA

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2023

Jurnal internasional

## **COMBINING SIGNAL TO NOISE RATIO AND UNDERSAMPLING IN SINGLE NUCLEOTIDE POLYMORPHISMS IDENTIFICATION**

ROSSY NURHASANAH

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2023

Jurnal nasional terakreditasi

## **Upaya Mitigasi dan Adaptasi Perubahan Iklim melalui Media Permainan Anak Atteropoly kepada Anak Usia Sekolah Dasar**

ROSSY NURHASANAH , INDRA CHAHAYA , WINNI R. E. TUMANGGOR

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2022

Prosiding seminar internasional

## **Performance testing of the thermal conductivity measuring equipment on particle board isolators**

AZHARI , TULUS IKHSAN NASUTION , ROSSY NURHASANAH

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2022

Jurnal internasional bereputasi

## **TWEETS SENTIMENT ON PPKM POLICY AS A COVID-19 RESPONSE IN INDONESIA**

ROSSY NURHASANAH

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2021

Prosiding seminar internasional

## **Design and Implementation of IoT based Automated Tomato Watering System Using ESP8266**

ROSSY NURHASANAH

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2020

Prosiding seminar internasional

## **Feature Selection Approach for Solving Imbalanced Data Problem in Single Nucleotide Polymorphism Discovery**

ROSSY NURHASANAH

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2026

Prosiding seminar internasional

## **Hybrid Aspect-Based Sentiment Analysis and Net Reputation Score for Product Ranking from User Reviews**

ROSSY NURHASANAH

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# Researches

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2025

Penelitian Dana Lokal Perguruan Tinggi

## **Sistem Pendeteksian Komentar Cyberbullying di Media Sosial Berbasis Deep Learning**

DEDY ARISANDI , ROSSY NURHASANAH , IVAN JAYA , DINA NAZRANI

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2024

## **PENENTUAN RATING PRODUK BERBASIS MULTI-KRITERIA MENGGUNAKAN PENDEKATAN TEXT MINING DAN NET REPUTATION SCORE**

ADE SARAH HUZAIFAH , ROSSY NURHASANAH

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2024

## **Potensi Pengembangan Wisata Healing Forest pada Beberapa Kawasan Konservasi Sumatera Utara dalam Mitigasi Perubahan Iklim**

MARIAH ULFA , ROSSY NURHASANAH , SURI FADHILLA

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2021

Ipteks Bagi Inovasi Kreativitas Kampus

## **Pengujian Sifat Kehantaran Termal dan Sifat Penyerapan Bunyi Bahan Serat Tandan Kosong Kelapa Sawit**

AZHARI , TULUS IKHSAN NASUTION , ROSSY NURHASANAH , TASYA AULIA DWINANDA

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# Community Services

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2025

Ipteks Bagi Kewirausahaan

## **kata kata**

ROSSY NURHASANAH

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2024

## **Pembuatan asap cair dari arang batok kelapa untuk pengawet ikan non karsinogenik dalam rangka peningkatan ekonomi masyarakat di Desa Manunggal, Kecamatan Labuhan Deli, Kabupaten Deli Serdang Sumatera Utara**

BOBY CAHYADY , ROSSY NURHASANAH , MUHAMMAD TAUFIK

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2024

## **Pembuatan asap cair dari arang batok kelapa untuk pengawet ikan non karsinogenik dalam rangka peningkatan ekonomi masyarakat di Desa Manunggal, Kecamatan Labuhan Deli, Kabupaten Deli Serdang Sumatera Utara**

BOBY CAHYADY , ROSSY NURHASANAH , MUHAMMAD TAUFIK

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2023

## **PEMANFAATAN SAMPAH ORGANIK PASCAPANEN PADA KELOMPOK TANI BUKIT RUMAH SENDI DESA UJUNG SAMPUN KECAMATAN DOLAT RAKYAT KABUPATEN KARO UNTUK BUDIDAYA MAGGOT SEBAGAI ALTERNATIF PENYEDIAAN PAKAN TERNAK GUNA PENINGKATAN PEREKONOMIAN MASYARAKAT**

BOBY CAHYADY , ROSSY NURHASANAH , MUHAMMAD TAUFIK

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2022

Ipteks Bagi Masyarakat

## **Upaya Adaptasi Perubahan Iklim Melalui Media Permainan Anak Atteropoly Di Desa Bogak, Tanjung Tiram, Batu Bara**

WINNI R. E. TUMANGGOR , ROSSY NURHASANAH , INDRA CHAHAYA , HISWANI , HOSIANA SIMAMORA , WAFIQ INDANA ZULVA , CHRISTINE ARTHA ULI , MISBAKHUL UMAM , THEMIS PUTRI BASANDRA SITEPU

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2020

## **Edukasi dan Pemberdayaan Masyarakat dalam Memasuki Fase New Normal di Desa Sigumpar, Kecamatan Sigumpar, Kabupaten Toba Samosir**

ROSSY NURHASANAH , ENITA DEWI BR TARIGAN , MUHAMMAD TAUFIK

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## **Intellectual Property Rights**

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2026

Hak cipta nasional

### **SIBIJAK - Sistem Bijak Berkomentar**

DEDY ARISANDI , IVAN JAYA , ROSSY NURHASANAH , DINA NAZRIANI

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2024

Hak cipta nasional

### **Vigilanter: Sistem Pendeteksian, Pelaporan, Dan Peringatan Kriminal 3C Jalan Raya Terintegrasi IoT Dengan Computer Vision Dan Voice Recognition Untuk Keamanan Modern Di Kota Medan**

ANUGRAH SYAHPUTRA SIBARANI , MUHAMMAD SYUKRON JAZILA , MUHAMMAD DZAKWAN ATTAQIY , ROSSY NURHASANAH

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2024

Hak cipta nasional

### **Digestify: Aplikasi Pembelajaran Interaktif Sistem Pencernaan Manusia Berbasis Augmented Reality Dan Model 3D**

ROSSY NURHASANAH

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2022

Hak cipta nasional

### **Karya Sinematografi: Upaya Adaptasi Perubahan Iklim Melalui Media Permainan Anak Atteropoly di Desa Bogak, Tanjung Tiram, Batu Bara**

WINNI R. E. TUMANGGOR , ROSSY NURHASANAH , HISWANI , INDRA CHAHAYA

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2022

Hak cipta nasional

### **Media Permainan Atteropoly**

HISWANI , INDRA CHAHAYA , WINNI R. E. TUMANGGOR , ROSSY NURHASANAH

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2022

Hak cipta nasional

### **Buku Panduan Bermain Atteropoly (Permainan Edukasi Anak Usia Sekolah Dasar)**

HISWANI , INDRA CHAHAYA , HALINDA SARI LUBIS , WINNI R. E. TUMANGGOR , ROSSY NURHASANAH

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