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*Herriyance, ST, M.Kom, was born in Medan, on October 24, 1980. He obtained his Bachelor degree in Informatics Engineering (Sekolah Tinggi Teknik Harapan Medan) in 2005, then completed his Masters in Information Technology at Universitas Putra Indonesia (UPI), Padang in 2009.*

*Herriyance, S.T., M.Kom started his career as a lecturer at Fasilkom-TI in 2012 until now and was given the mandate as Secretary of the Computer Science Undergraduate Study Program for the period of 2017 to 2021. In 2013, he became Secretary of Online Journal of Computer Science. He is active in the Aptikom Wil. 1 Sumut-Aceh and participated in the Planting of a Thousand Trees at Computer Science Study Program USU and became a presenter at the debriefing activity for new students at STMIK Triguna Dharma Medan in Sibolangit in 2014.*

*Currently he is pursuing several research fields including artificial intelligence, robotics and the Internet of Things which has resulted in several scientific publications including the Pengembangan Sistem Kontrol Otomatis Untuk Mengontrol PH Tanah Menggunakan Mikrokontroler (2019), Pengembangan Sistem Kontrol Otomatis Untuk Mengontrol PH Tanah Menggunakan Mikrokontroler (2019), Menggerakkan Robot Untuk Mengontrol Objek Menggunakan Gestur Tangan Dengan Logika Fuzzy (2020), and several other scientific publications listed in SINTA.*

*During his life, he always adhered to the advice and words of his parents and teachers that "Knowledge is not what is memorized, but what benefits".*

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## Publications

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2021

Prosiding seminar internasional

### **Abnormal Object Detection in Thoracic X-Ray Using You only Look Once (YOLO)**

HERRIYANCE , AMALIA

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2022

Jurnal nasional terakreditasi

### **Pembuatan Animasi Integral Sebagai Implementasi Grafika Komputer Dengan Menggunakan Morphing dan OpenGL**

HERRIYANCE

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2026

Jurnal internasional bereputasi

### **Hybrid Deep Convolutional Neural Network and Counter Propagation Neural Network as a Pork-Beef Differentiator System**

ROMI FADILLAH RAHMAT , HERRIYANCE , ROSSI PASSARELLA , SHARFINA FAZA , Prof. Dr. Rahmat Budiarto , Farhad Nadi

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2025

Jurnal nasional terakreditasi

### **Pengelompokan Citra Warna Kulit Untuk Rekomendasi Shade Make-Up Kecantikan Dengan Konsep Pengolahan Citra Digital**

ZAIMAH PANJAITAN , HERRIYANCE , BENI ANDIKA , MUHAMMAD DAHRIA

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2025

Jurnal nasional terakreditasi

### **AN IMPROVEMENT OF METHOD FOR DIFFICULTY ADJUSTMENT BASED ON PROCEDURES IN THE GAME "LOST LABYRINTHS: ROGUE'S ODYSSEY"**

2025

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Jurnal nasional

## **Penerapan Hue, Saturation, Value (HSV) dengan Sobel dalam Segmentasi Citra Digital untuk Deteksi Kematangan Tomat.**

ZAIMAH PANJAITAN , HERRIYANCE , MUHAMMAD DAHRIA , BENI ANDIKA

## **Researches**

2025

Penelitian Fundamental

## **Pengembangan Model Manajemen Sumber Daya Keperawatan Berbasis Telelearning dan Artificial Intelligence untuk Meningkatkan Efektivitas Pelayanan Kesehatan di Era Digital**

FATWA IMELDA , HERRIYANCE , RENI ASMARA ARIGA

2025

Penelitian Fundamental

## **Pengembangan Model Manajemen Sumber Daya Keperawatan Berbasis Telelearning dan Artificial Intelligence untuk Meningkatkan Efektivitas Pelayanan Kesehatan di Era Digital**

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## **Community Services**

2022

## **Pemanfaatan Teknologi untuk Informasi Broadcast Kegiatan Administrasi Sekolah Madrasah Ibtidaiyah Swasta (MIS) Luqman Al-Hakim Yayasan Pondok Pesantren Hidayatullah Medan**

HERRIYANCE , ROMI FADILLAH RAHMAT , POLTAK SIHOMBING

## **Intellectual Property Rights**

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Hak cipta nasional

## **Pengembangan Sistem Pemantauan Cloud Pada Precision Aquaculture Dengan IoT Dan Pendekatan Artificial Intelligence**

POLTAK SIHOMBING , SYAHRIL EFENDI , HERRIYANCE