

## CURRICULUM VITAE

### Personal Identity

<b>Full Name (with tittle)</b>	<b>Dr. Ir. Adhi Dharma Wibawa, S.T.,M.T.</b>
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Position	Vice Dean of Faculty of Medicine and Health, Institut Teknologi Sepuluh Nopember
Academic Position	Associate Professor / Lektor Kepala IVa
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### Education Background

	Bachelor's	Master's	Doctorate
College Name	Institut Teknologi Sepuluh Nopember	Institut Teknologi Sepuluh Nopember	University of Groningen
Field of Study	Multimedia Telecommunication	Intellegent Multimedia	Biomedical Engineering
Graduate Year	2000	2006	2014

### Profesional Experience

- BANPT Assessor
- LAM Infokom Assessor
- LPDP Scholarship Interviewer
- IISMA Scholarship Interviewer
- Pertamina Scholarship Interviewer

### Research Field

- Biomedical Engineering studies
- E-Health monitoring and Telemedicine
- Artificial Intelligence
- Musculoskeletal Modeling and Biomechanics
- Biomedical Signal Processing Analysis (EEG, EMG, ECG)

#### **Master's Thesis :**

Early detection of the condition of the Pancreas organ as the cause of Diabetes Mellitus by using iris image processing.

#### **Doctorate Thesis :**



Year	Tittle
2022	MENYIAPKAN RENCANA RISET PADA PROGRAM MAGISTER DAN DOKTORAL
2021	MEMAHAMI AI DAN PENERAPANNYA

### Scientific Writing in Journal

No.	Year	Subject	Journal Name
1.	2023	Leveraging text-mining techniques on electronic medical records to analyze national drug-insured medication use	
2.	2023	Leveraging Text-Mining Techniques On Electronic Medical Records to Analyze National Drug-insured Medication Use	
3.	2023	EEG Time-Frequency Domain Analysis for Describing Healthy Subjects and Stroke Patients during Stroke Rehabilitation Motion Tasks	
4.	2022	Rules Extraction of Relevance Vector Machine for Predicting Negative Emotions from EEG Signals	
5.	2022	Electronic medical record data analysis and prediction of stroke disease using explainable artificial intelligence	
6.	2022	Performance Evaluation of 198 Village Governments using Fuzzy TOPSIS And Intuitionistic Fuzzy TOPSIS	
7.	2022	Text Mining for Employee Candidates Automatic Profiling Based on Application Documents	
8.	2022	Data Analytics on Indonesia Industries Economic Resilience Based on Poverty Rate Growth During Covid-19 Pandemic	
9.	2022	Rule-based Disease Classification using Text Mining on Symptoms Extraction from Electronic Medical Records in Indonesian	
10.	2022	Rule-based disease classification using text mining on symptoms extraction from electronic medical records in Indonesian	
11.	2022	Rule-based disease classification using text mining on symptoms extraction from electronic medical records in Indonesian	
12.	2020	Multi-scale entropy and multiclass fisher's linear discriminant for emotion recognition based on multimodal signal	
13.	2019	Improving the accuracy of EEG emotion recognition by combining valence lateralization and ensemble learning with tuning parameters	
14.	2019	Indonesian Sign Language Classification Based on EMG using Time Domain Features Extraction	
15.	2019	Soccer Players Detection Using GDLS Optimization and Spatial Bitwise Operation Filter	
16.	2018	Peningkatan Akurasi Pengenalan Emosi pada Sinyal Electroencephalography Menggunakan Multiclass Fisher Discriminant Analysis	
17.	2016	Physiological Pattern of Human Emotion State based on SPO2 sensor	
18.	2016	Musculoskeletal modeling of human lower limb during normal walking, one-legged forward hopping and side jumping: Comparison of measured EMG and predicted muscle activity patterns	
19.	2016	A Trap Motion in Validating Muscle Activity Prediction from Musculoskeletal model using EMG	
20.	2016	PHYSIOLOGICAL PATTERN OF HUMAN STATE EMOTION BASED ON ECG AND PULSE SENSOR	

21.	2016	CLASSIFICATION OF IRIS IMAGE OF PATIENT CHRONIC RENAL FAILUR (CRF) USING WATERSHED ALGORITHM AND SUPPORT VECTOR MACHINE (SVM)	
22.	2016	Microblogging Analysis for Determining Public Policy Priority based on Public Opinion using Naïve Bayes and Analytical Hierarchy Process Algorithm	
23.	2016	Microblogging Analysis for Determining Public Policy Priority based on Public Opinion using Naïve Bayes and Analytical Hierarchy Process Algorithm	
24.	2013	DETERMINING THE ABNORMALITY OF BULL SPERM TAIL MORPHOLOGY USING SUPPORT VECTOR	
25.	2012	VALIDATING NUMERICAL SIMULATION OF LOWER LIMB MUSCLE ACTIVITY DURING NORMAL WALKING AND SIDE JUMPING	

#### Scientific Publication on Seminar

No.	Seminar	Subject	Year
1		Statistical Analysis to Reveal Factors Affecting Cryptocurrency Prices in Commodity Futures Trading and Stock Market	2023
2		Analysis of Attraction Response on Product Packaging Based on EEG Signal: (A preliminary study of Neuromarketing on Packaging)	2023
3		Investigation of Human Brain Waves (EEG) to Recognize Familiar and Unfamiliar Objects Based on Power Spectral Density Features	2023
4		Data Analytics Between Regional Minimum Wage and Poverty Rate Per Province in Indonesia	2023
5		Classification of Sweet and Sour Taste Using Electroencephalography (EEG)	2023
6		Development of Low-Cost Prosthetic Using Circular Economy Approach for Disability in Indonesia	2023
7		Classification of Emotions (Positive-Negative) Based on EEG Statistical Features using RNN, LSTM, and Bi-LSTM Algorithms	2023

#### Scientific Publication on Seminar