

DAFTAR SINGKATAN

AP	: Access Point
API	: Application Programming Interface
BLE	: Bluetooth Low Energy
CI/CD	: Continuous Integration / Continuous Deployment
DNN	: Deep Neural Network
ENC	: European Navigation Conference
ESP32	: Embedded Serial Processor 32-bit
FIREBASE_SERVICE _ACCOUNT_JSON	: Firebase Service Account Credential (JSON)
GNSS	: Global Navigation Satellite System
GPGBA	: Global Positioning System Fix Data
GPSSV	: GPS Satellites in View
GPIO	: General-Purpose Input/Output
GPS	: Global Positioning System
GPS_BAUD	: GPS Baud Rate
GRU	: Gated Recurrent Unit
HD44780	: Hitachi Display Controller 44780
HDOP	: Horizontal Dilution of Precision
HTTP	: Hypertext Transfer Protocol
I2C	: Inter-Integrated Circuit
IDE	: Integrated Development Environment
IEC	: International Electrotechnical Commission
IEEE	: Institute of Electrical and Electronics Engineers
IMU	: Inertial Measurement Unit
INS	: Inertial Navigation System

ISO	: International Organization for Standardization
ITU-T	: International Telecommunication Union - Telecommunication Standardization Sector
JSON	: JavaScript Object Notation
LCD	: Liquid Crystal Display
LCD_COLS	: LCD Columns
LCD_ROWS	: LCD Rows
LSTM	: Long Short-Term Memory
NEO-6M	: u-blox GPS Module type NEO-6M
NMEA	: National Marine Electronics Association
NTP	: Network Time Protocol
PRN	: Pseudo-Random Noise
PuTTY	: Popular SSH/Serial Terminal Software
QoS	: Quality of Service
RAIM	: Receiver Autonomous Integrity Monitoring
RTC	: Real-Time Clock
RTCA	: Radio Technical Commission for Aeronautics
SDK	: Software Development Kit
SMTP	: Simple Mail Transfer Protocol
SNR	: Signal-to-Noise Ratio
SSID	: Service Set Identifier
SSR	: Standardized Signal Representation
SVM	: Support Vector Machine
SoC	: System on Chip
TIPHON	: Telecommunications and Internet Protocol Harmonization Over Networks

UART	: Universal Asynchronous Receiver Transmitter
UART2	: UART Channel 2
USRP	: Universal Software Radio Peripheral
Vercel	: Cloud Platform for Frontend/Backend Deployment
Wi-Fi	: Wireless Fidelity
WiFiManager	: Wi-Fi Connection Management Library
Wire	: I2C Communication Library (Arduino)