

DAFTAR SINGKATAN

A	: <i>Ampere</i>
AC	: <i>Alternating Current</i>
ADC	: <i>Analog-to-Digital-Converter</i>
AKS	: <i>Azure Kubernetes Service</i>
API	: <i>Application Programming Interface</i>
ATTR	: <i>Attribute</i>
AWS	: <i>Amazon Web Service</i>
BE	: <i>Back-end</i>
JSON	: <i>Binary JSON</i>
C	: <i>Celsius</i>
CD 1-2-3-4-5	: <i>Capstone Design 1-2-3-4-5</i>
CD	: <i>Continuous Deployment</i>
CI	: <i>Continuous Integration</i>
CGS	: <i>Curved Grade Scale</i>
CM	: <i>Centimeter</i>
CNCF	: <i>Cloud Native Computing Foundation</i>
CPU	: <i>Central Processing Unit</i>
CSS	: <i>Cascading Style Sheets</i>
DB	: <i>Database</i>
DC	: <i>Direct Current</i>
Dev OP	: <i>Development Operation</i>
DNS	: <i>Domain Name System</i>
DOM	: <i>Document Object Model</i>
EBT	: <i>Energi Baru dan Terbarukan</i>
ENV	: <i>Environment</i>
EKS	: <i>Elastic Kubernetes Service</i>
FE	: <i>Front-end</i>
FTE	: <i>Fakultas Teknik Elektro</i>
Git OPS	: <i>Git-based Operation System</i>
GKE	: <i>Google Kubernetes Engine</i>
gRPC	: <i>google Remote Procedure Call</i>
GTI	: <i>Grid Tie Inverter</i>
HA	: <i>High Availability</i>
HAWT	: <i>Horizontal Axis Wind Turbine</i>
HMI	: <i>Human Machine Interface</i>
HTTP	: <i>Hypertext Transfer Protocol</i>
HTTPS	: <i>Hypertext Transfer Protocol Secure</i>
I2C	: <i>Inter-Integrated Converter</i>
ID	: <i>Identification</i>
IDE	: <i>Integrated Development Environment</i>
INT	: <i>Integer</i>

IoT	: <i>Internet of Things</i>
IP	: <i>Internet Protocol</i>
ISO	: <i>International Organization for Standardization</i>
ITM	: <i>Illuminance Transmitter Modbus</i>
ITU-T	: <i>International Telecommunication Union – Telecommunication Standardization Sector</i>
JS	: <i>JavaScript</i>
JWT	: <i>JSON Web Token</i>
KW	: <i>Kilo Watt</i>
KWh	: <i>Kilo Watt hour</i>
L/min	: <i>Liter per Minute</i>
m/s	: <i>meter per second</i>
m ³ /s	: <i>Meter Kubik per second</i>
mA	: <i>mile Ampere</i>
MCB	: <i>Mini Circuit Breaker</i>
MQTT	: <i>Message Queuing Telemetry Transport</i>
mV	: <i>mili Volt</i>
OSI	: <i>Operation System Interconnection</i>
UI/UX	: <i>User Interface/User Experience</i>
URL	: <i>Uniform Resource Locator</i>
PLC	: <i>Programmable Logic Controller</i>
PLTB	: <i>Pembangkit Listrik Tenaga Bayu</i>
PLTMH	: <i>Pembangkit Listrik Tenaga Hidro</i>
PLTS	: <i>Pembangkit Listrik Tenaga Surya</i>
PPP	: <i>Point to Point Protocol</i>
Psi	: <i>Pounds per square inch</i>
PV	: <i>Photovoltaic</i>
QoS	: <i>Quality of Service</i>
RBAC	: <i>Role-Based Access Control</i>
REST API	: <i>Representational State Transfer Application Programming Interface</i>
RFC-7519	: <i>Request For Comment-7519</i>
RH	: <i>Relative Humidity</i>
RTU	: <i>Remote Terminal Unit</i>
RPM	: <i>Revolutions Per Minute</i>
RS-485	: <i>Recommended Standard-485</i>
S1TB	: <i>S1 Teknik Biomedis</i>
S1DSC	: <i>S1 Digital Supply Chain</i>
S1TE	: <i>S1 Teknik Elektro</i>
S1TSE	: <i>S1 Teknik Sistem Energi</i>
S1TT	: <i>S1 Teknik Telekomunikasi</i>
SCADA	: <i>Supervisory Control and Data Acquisition</i>
SCC	: <i>Solar Charge Controller</i>
SPA	: <i>Single-Page Application</i>

SCM	: <i>Source Code Management</i>
SUS	: <i>System Usability Scale</i>
SNI	: Standar Nasional Indonesia
SSL	: <i>Secure Sockets Layer</i>
TA	: Tugas Akhir
TCP	: <i>Transmission Control Protocol</i>
TIK	: Teknologi Informasi dan Komunikasi
TULT	: <i>Telkom University Landmark Tower</i>
TLS	: <i>Transport Layer Security</i>
ToT	: <i>Training of Trainer</i>
V	: <i>Volt</i>
VAWT	: <i>Vertical Axis Wind Turbine</i>
VDC	: <i>Volt Direct Current</i>
VFD	: <i>Variable Frequency Drive</i>
VU	: <i>Virtual User</i>
W	: <i>Watt</i>
WA	: <i>WhatsApp</i>
WAN	: <i>Wide Area Network</i>
YAML	: <i>Yet Another Markup Language</i>