

## DAFTAR SINGKATAN

|       |                                                                                               |
|-------|-----------------------------------------------------------------------------------------------|
| AI    | : <i>Artificial Intelligence</i>                                                              |
| API   | : <i>Application Programming Interface</i>                                                    |
| ANN   | : <i>Artificial Neural Network</i>                                                            |
| BER   | : <i>Bit Error Rate</i>                                                                       |
| CSS   | : <i>Cascading Style Sheets</i>                                                               |
| CRUD  | : <i>Create, Read, Update, Delete</i>                                                         |
| CW    | : <i>Continuous Wave</i>                                                                      |
| dB/Km | : <i>Decibel per Kilometer</i>                                                                |
| dBm   | : <i>Decibel – milliwatts</i>                                                                 |
| DT    | : <i>Decision Tree</i>                                                                        |
| EDA   | : <i>Exploratory Data Analysis</i>                                                            |
| FCP   | : <i>First Contentful Paint</i>                                                               |
| FSO   | : <i>Free Space Optic</i>                                                                     |
| Gbps  | : <i>Gigabits per Second</i>                                                                  |
| HTTP  | : <i>HyperText Transfer Protocol</i>                                                          |
| HTTPS | : <i>HyperText Transfer Protocol Secure</i>                                                   |
| ITU   | : <i>International Telecommunication Union</i>                                                |
| ITU-R | : <i>International Telecommunication Union – Radiocommunication Sector</i>                    |
| ITU-T | : <i>International Telecommunication Union – Telecommunication<br/>Standardization Sector</i> |
| JWT   | : <i>JSON Web Token</i>                                                                       |
| km    | : <i>Kilometer</i>                                                                            |
| kph   | : <i>Kilometers per hour</i>                                                                  |
| LCP   | : <i>Largest Contentful Paint</i>                                                             |
| MAE   | : <i>Mean Absolute Error</i>                                                                  |

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| MB                | : <i>Megabyte</i>                                     |
| MJ/m <sup>2</sup> | : <i>Megajoule per Square Meter</i>                   |
| MSE               | : <i>Mean Squared Error</i>                           |
| MZM               | : <i>Mach-Zehnder Modulator</i>                       |
| mm                | : <i>Milimeter</i>                                    |
| nm                | : <i>Nanometer</i>                                    |
| NRZ               | : <i>Non-Return to Zero</i>                           |
| PIN PD            | : <i>Positive-Intrinsic-Negative Photodetector</i>    |
| R <sup>2</sup>    | : <i>Coefficient of Determination (R-Squared)</i>     |
| RAB               | : <i>Rencana Anggaran Biaya</i>                       |
| RF                | : <i>Random Forest</i>                                |
| RMSE              | : <i>Root Mean Squared Error</i>                      |
| SEO               | : <i>Search Engine Optimization</i>                   |
| SHAP              | : <i>Shapley Additive exPlanations</i>                |
| SNR               | : <i>Signal-to-Noise Ratio</i>                        |
| SSG/SSR           | : <i>Signal Strength Gain / Signal Strength Ratio</i> |
| TPE               | : <i>Tree-Structured Parzen Estimator</i>             |
| UI/UX             | : <i>User Interface / User Experience</i>             |
| URL               | : <i>Uniform Resource Locator</i>                     |
| UV                | : <i>Ultraviolet</i>                                  |
| W/m <sup>2</sup>  | : <i>Watt per Square Meter</i>                        |