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## DAFTAR NOTASI, ARTI LAMBANG, DAN SINGKATAN

### Daftar Notasi dan Arti Lambang

|            |                          |
|------------|--------------------------|
| $C_{2+}$   | = Hidrokarbon berat      |
| $\Delta P$ | = Pressure Drop          |
| $\epsilon$ | = Void Fraction          |
| $K_{eq}$   | = Konstanta Keseimbangan |
| $\mu$      | = Viskositas gas         |
| $\rho$     | = Densitas gas           |
| $r_A$      | = Laju reaksi            |
| $S/C$      | = Steam-to-Carbon        |
| $T$        | = Temperatur             |
| $v_s$      | = Kecepatan Permukaan    |

### Daftar Singkatan

|         |                                                        |
|---------|--------------------------------------------------------|
| ADF     | = Augmented Dickey-Fuller                              |
| ANN     | = Artificial Neural Networks                           |
| APC     | = Advanced Process Control                             |
| ARIMA   | = Autoregressive Integrated Moving Average             |
| AutoML  | = Automated Machine Learning                           |
| Bagging | = Bootstrap Aggregating                                |
| CFD     | = Computational Fluid Dynamics                         |
| CPS     | = Cyber-Physical System                                |
| DCS     | = Distributed Control System                           |
| DM Test | = Diebold-Mariano Test (Tes Statistik Diebold-Mariano) |
| EOR     | = End-of-Run                                           |
| FLAML   | = Fast and Lightweight Automated Machine Learning      |
| GHV     | = Gross Heating Value (Nilai Kalor Kotor)              |
| GPLe    | = Generalized Power Law Expressions                    |
| iForest | = Isolation Forest                                     |
| LHHW    | = Langmuir-Hinshelwood-Hougen-Watson                   |
| ML      | = Machine Learning (Pembelajaran Mesin)                |
| MAPE    | = Mean Absolute Percentage Error                       |
| MSE     | = Mean Squared Error                                   |



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|         |                                                         |
|---------|---------------------------------------------------------|
| NaN     | = Not a Number (Bukan Angka)                            |
| PDP     | = Partial Dependence Plot (Plot Ketergantungan Parsial) |
| RFR     | = Random Forest Regressor                               |
| RMSE    | = Root Mean Squared Error                               |
| SMR     | = Steam-Methane Reforming (Reformasi Uap-Metana)        |
| WGS     | = Water-Gas Shift                                       |
| XAI     | = Explainable Artificial Intelligence                   |
| XGBoost | = eXtreme Gradient Boosting                             |