This is my LaTeX tutorial

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Hello World

1 Ini Section Pertama

Lorem ipsum bla bla bla

1.1 Ini Subsection Pertama

Lorem ipsum bla bla bla

1.1.1 Ini Subsubsection Pertama

Lorem ipsum bla bla bla

2 Ini Section Kedua

Lorem ipsum bla bla bla

   Lorem ipsum bla bla bla

3 Equation

Lorem ipsum x + y = 24 dolor $x + y = 24$ sit amet, consectetur adipiscing elit. Phasellus dignissim luctus nibh ut finibus. Praesent ultricies congue placerat. Suspendisse sagittis augue id est fermentum, in condimentum orci interdum. Vestibulum bibendum auctor neque quis consequat. Vestibulum ante ipsum primis in faucibus orci luctus et ultrices posuere cubilia curae; Donec at ex ut nibh interdum mollis mattis vitae nulla. Fusce vel tincidunt ligula. Fusce vehicula enim risus, eu aliquet purus molestie non. Cras gravida bibendum tincidunt. Proin vitae est in mauris finibus bibendum. Nulla ante est, elementum at mauris sed, imperdiet pretium arcu. Fusce feugiat, massa non facilisis venenatis, mauris urna pellentesque velit, nec tempus tellus eros at elit. Donec dictum orci eu purus commodo eleifend.

$$2s + 3d = 25$$
$$z - 8a = 28$$

$$a + b = c$$

$$3a = 20$$

$$a + b = c$$
$$3a = 20$$

4 Symbol

4.1 Text Formatting

<small>Hello</small> Hello Hello Hello Hello Hello

World *World* `World` <u>World</u> World

LaTeX

Inline $x + y = 12$

$$x - y = 0 \tag{1}$$

$$a + b = c \tag{2}$$

$$a + c = 12$$

$2Mangga + 3Apel = Rp15.000$

2 Mangga + 3 Apel = Rp.15.000

$Aa123$ Aa123 *Aa123* Aa_{123}

4.2 Math Symbol

Accent x, x^2, x_n, $\bar{x}$, $\hat{x}$, $\vec{x}$, $\dot{x}$, $\ddot{x}$

Operator $+ \ - \ \pm \ * \ * \ \times \ \cdot \ / \ \div \ \frac{a}{b} \ {}^a/_b$

Relation $= \equiv \sim \simeq \approx > < \geq \leq \neq \cup \cap \in \notin \forall \exists$

Greek $\alpha \ \beta \ \gamma \ \Gamma \ \delta \ \Delta \ \epsilon \ \zeta \ \eta \ \theta \ \Theta \ \lambda \ \mu \ \pi \ \rho$

Arrows $\leftarrow \Leftarrow \longleftarrow \rightarrow \Rightarrow \longrightarrow \leftrightarrow \Leftrightarrow \longleftrightarrow \uparrow \Uparrow \downarrow \Downarrow$

Others $\infty \ \nabla \ \angle \ \angle A \ \diamond \ \heartsuit \ \clubsuit \ \spadesuit$

Matrix

$$\begin{matrix} 1 & 0 \\ 0 & 1 \end{matrix}$$

$$\begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$$

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

$$\begin{vmatrix} 1 & 0 \\ 0 & 1 \end{vmatrix}$$

$$\det \begin{vmatrix} 1 & 0 \\ 0 & 1 \end{vmatrix}$$

5 Functions

Roots $\sqrt{x^2}$ $\sqrt[3]{x^3}$

Trigonometri $\sin(\theta)$ $\cos(\theta)$ $\tan(\theta)$ $\sec(\theta)$ $\csc(\theta)$ $\cot(\theta)$

Limit $\lim e^{-x}$ $\lim\limits_{x\to\infty} e^{-x}$

Logarithmic $\log x$ $^{10}\log x$ $^2\log 4$ $^e\log x$ $\ln x$

Sums $\sum x$ $\sum_{i=1}^{10} t_i$

Derivative $\frac{dx}{dt}$ $\frac{\partial x}{\partial t}$

Integral $\int f(x)dx$ $\int_a^b f(x)dx$ $\iint f(x,y)dxdy$ $\iiint f(x,y,z)dxdydz$