

## LIST OF TABLES

<b>Table1. 1</b> Type of packaging and size of products .....	2
<b>Table1. 2</b> Increase in 2019 production from the number of 2018 demand .....	5
<b>Table1. 3</b> Number of MAPE for every product.....	6
<b>Table1. 4</b> Detailed data of gap and error .....	6
<b>Table1. 5</b> Work schedule in PT.XYZ.....	8
<b>Table 2. 1</b> Three-month moving average .....	15
<b>Table 2. 2</b> Double moving average.....	16
<b>Table 2. 3</b> Weighted moving average.....	17
<b>Table 2. 4</b> Previous international journal .....	26
<b>Table 2. 5</b> Previous national journal.....	27
<b>Table 2. 6</b> Previous thesis.....	28
<b>Table 2. 7</b> Smoothing constants.....	37
<b>Table 3. 1</b> Operational Variable .....	32
<b>Table 4. 1</b> Data of Sales for 330 ml Water Bottle .....	39
<b>Table 4. 2</b> Data of Production for 330 ml Water Bottle .....	40
<b>Table 4. 3</b> Seasonal Index.....	42
<b>Table 4. 4</b> Regression Test .....	43
<b>Table 4. 5</b> Kolmogorov-Smirnov test.....	45
<b>Table 4. 6</b> Naïve Method.....	46
<b>Table 4. 7</b> Moving Average Method .....	47
<b>Table 4. 8</b> Moving Average Comparison of Error .....	48
<b>Table 4. 9</b> Weighted Moving Average .....	49
<b>Table 4. 10</b> Weighted Moving Average Comparison of Error.....	49
<b>Table 4. 11</b> Exponential Smoothing Method.....	50
<b>Table 4. 12</b> Exponential Smoothing Comparison of Error.....	51
<b>Table 4. 13</b> Holt's Exponential Smoothing Method.....	52
<b>Table 4. 14</b> Holt's Exponential Smoothing Comparison of Error.....	54
<b>Table 4. 15</b> Holt Winter's Exponential Smoothing .....	56

<b>Table 4. 16</b> Holt Winter's Exponential Comparison of Error .....	57
<b>Table 4. 17</b> Polynomial Regression Method .....	58
<b>Table 4. 18</b> Comparison of Error from Every Method.....	60
<b>Table 4. 19</b> Moving Range Chart .....	62
<b>Table 4. 20</b> Paired Samples Test .....	64
<b>Table 4. 21</b> Forecast .....	64