**INDIVIDUAL ASSIGNMENT#3: Graphical Presentation of Data**

**RES421 Introduction to Research and FS Weds/Fri, 11:30-1:00 (CE)**

**DUE ON 15 FEBRUARY 2017, 11:30PM, Submit to Ms Neng Agas, CET Office**

**Problem 1**. The data presented in the Table 1 are results of the experiment on Milkfish Offal Burger, Goatfish Offal Burger, and Siganid Offal Burger. Using MS Excel, illustrate and prepare **three (3) different graphs** using the data presented. Indicate proper labels and legends in the graphs. **You assess the results and choose the graph that best suits to the data presented. Explain why the graph is the best one.**

**Table 1. Acceptability of the Quality Attributes of Different Offal Burgers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Quality Attributes** | **Fish Offal Burger** | | |
|  | *Milkfish* | *Goatfish* | *Siganid* |
| Color | 8.0 | 8.3 | 6.4 |
| Odor | 8.1 | 7.4 | 6.2 |
| Flavor | 8.6 | 8.0 | 6.0 |
| Texture | 8.2 | 7.6 | 6.3 |
| General Acceptability | 8.4 | 7.8 | 6.3 |
| AVERAGE | 8.26 | 7.82 | 6.24 |

**Problem 2**. Table 2 indicates the summary of number of thesis submitted to the College of Engineering and Technology (CET) as of July 2016. . Using MS Excel, illustrate and prepare **three (3) different graphs** using the data presented. Indicate proper labels and legends in the graphs. Instead of colors, fill the graphs with texture patterns to differentiate the attributes (examples shown below). Note that the examples presented below are intended for Problem 2 only. **You assess the results and choose the graph that best suits to the data presented. Explain why the graph is the best one.**

**Table 2. Number of Thesis at the College of Engineering and Technology**

|  |  |
| --- | --- |
| **Department/Program** | **Number of Thesis** |
| Civil Engineering (CE) | 59 |
| Mechanical Engineering (ME) | 24 |
| Electrical Engineering (EE) | 26 |
| Agricultural Engineering (AE) | 7 |
| TOTAL | 116 |



