**CHAPTER IV**

**RESULTS AND DISCUSSIONS**

1. The ripening efficacy of calcium carbide in *M. acuminata* in terms of:
   1. appearance,
   2. skin color,
   3. odor; and
   4. firmness?

**Table 1. Presentation of the ripening efficacy of calcium carbide in *M. acuminata* in terms of appearance, skin color, odor, and firmness.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Respondents** | **Appearance** | **Skin Color** | **Odor** | **Firmness** | **Overall** |
| 1 | 3 | 3 | 3 | 3 | 3 |
| 2 | 4 | 4 | 4 | 3 | 3.75 |
| 3 | 3 | 4 | 4 | 4 | 3.75 |
| 4 | 3 | 4 | 3 | 3 | 3.25 |
| 5 | 3 | 3 | 3 | 3 | 3 |
| 6 | 4 | 4 | 4 | 3 | 3.75 |
| 7 | 4 | 4 | 4 | 4 | 4 |
| 8 | 5 | 3 | 4 | 2 | 3.5 |
| 9 | 4 | 4 | 4 | 4 | 4 |
| 10 | 4 | 4 | 4 | 4 | 4 |
| **Mean** | **3.7** | **3.7** | **3.7** | **3.3** | **3.65** |
| **Descriptive Equivalent** | **High** | **High** | **High** | **Moderate** | **High** |

Table 1 presents the efficacy of calcium carbide in ripening *M. acuminata*. Based on the result, the efficacy of calcium carbide in *M. acuminata* in terms of appearance, skin color, and odor is ‘High’, which all got a mean score of 3.7. In terms of firmness, the mean score of calcium carbide is 3.3, which was described as ‘Moderate’.

1. The ripening efficacy of *L. leucocephala* leaves and *A. camansi* fruit in *M. acuminata* in terms of:
   1. appearance,
   2. skin color,
   3. odor; and
   4. firmness?

**Table 2.1. Presentation of the ripening efficacy of *L. leucocephala* leaves in *M. acuminata* in terms of appearance, skin color, odor, and firmness.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Respondents** | **Appearance** | **Skin Color** | **Odor** | **Firmness** | **Overall** |
| 1 | 4 | 4 | 4 | 4 | 4 |
| 2 | 4 | 5 | 4 | 5 | 4.5 |
| 3 | 4 | 5 | 4 | 5 | 4.5 |
| 4 | 4 | 5 | 5 | 4 | 4.5 |
| 5 | 2 | 2 | 3 | 2 | 2.25 |
| 6 | 4 | 5 | 4 | 4 | 4.25 |
| 7 | 4 | 4 | 5 | 5 | 4.5 |
| 8 | 5 | 4 | 4 | 2 | 3.75 |
| 9 | 4 | 4 | 4 | 4 | 4 |
| 10 | 4 | 4 | 4 | 4 | 4 |
| **Mean** | **3.9** | **4.2** | **4.1** | **3.9** | **4.03** |
| **Descriptive Equivalent** | **High** | **High** | **High** | **High** | **High** |

Table 2.1 shows the ripening efficacy of *L. leucocephala* leaves in *M. acuminata.* The results showed that the efficacy of *L. leucocephala* leaves in *M. acuminata* in terms of appearance is ‘High’, which has a mean score of 3.9. In terms of skin color, the banana got a mean score of 4.2, which was described as ‘High’. Meanwhile, in terms of odor and firmness, the banana got a mean score of 4.1 and 3.9, respectively, which was both described as ‘High’.

**Table 2.2. Presentation of the ripening efficacy of *A. camansi* fruit in *M. acuminata* in terms of appearance, skin color, odor, and firmness.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Respondents** | **Appearance** | **Skin Color** | **Odor** | **Firmness** | **Overall** |
| 1 | 5 | 4 | 3 | 5 | 4.25 |
| 2 | 5 | 4 | 5 | 5 | 4.75 |
| 3 | 5 | 5 | 5 | 5 | 5 |
| 4 | 5 | 5 | 4 | 5 | 4.75 |
| 5 | 3 | 3 | 3 | 3 | 3 |
| 6 | 5 | 5 | 4 | 4 | 4.5 |
| 7 | 5 | 5 | 5 | 5 | 5 |
| 8 | 5 | 4 | 4 | 1 | 3.5 |
| 9 | 4 | 4 | 4 | 4 | 4 |
| 10 | 4 | 4 | 4 | 4 | 4 |
| **Mean** | **4.6** | **4.3** | **4.1** | **4.1** | **4.28** |
| **Descriptive Equivalent** | **Very High** | **High** | **High** | **High** | **High** |

Table 2.2 shows the ripening efficacy of *A. camansi* fruit in *M. acuminata*. As presented on the table, the efficacy of *A. camansi* fruitin *M. acuminata* in terms of appearance is ‘Very High’, which has a mean score of 4.6. In terms of skin color, the banana got a mean score of 4.3, which was described as ‘High’. Meanwhile, in terms of odor and firmness, the banana both got a mean score of 4.1, which was described as ‘High’.