**SUPPLEMENTARY FILE**

**Title:**

Nano-TiO2 Enhanced Fruit Storage Chambers: Unveiling the Potential for Prolonging Banana Shelf Life

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Description:

Results of correlation analysis (Pearson method) of red, green, L\*, and b\* values on each treatment (FS, FT, and FM)

**Supplementary Table 1.** Correlation analysis result of color values in FS treatment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Red | Green | L\* | b\* |
| Red | 1.0000 |  |  |  |
| Green | 0.4946 | 1.0000 |  |  |
| L\* | 0.7647 | **0.9383** | 1.0000 |  |
| b\* | 0.8024 | 0.88611 | **0.9574** | 1.0000 |
| *Values in bold are considered high correlation value (>0.9)* | | | | |

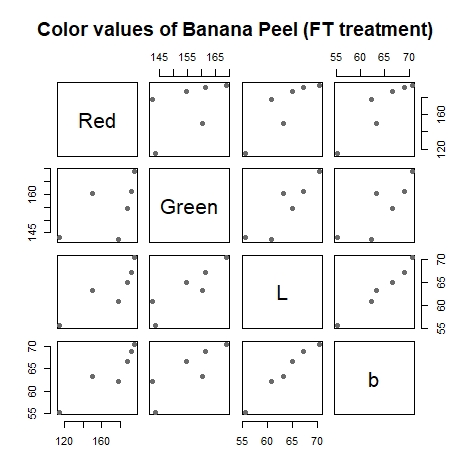
A chart of a banana peel

Description automatically generated with medium confidence

**Supplementary Figure 1.** Correlation matrix of color valus in FS treatment

**Supplementary Table 2.** Correlation analysis result of color values in FT treatment

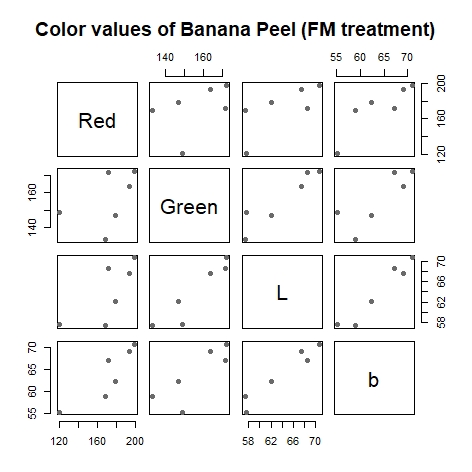
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Red | Green | L\* | b\* |
| Red | 1.0000 |  |  |  |
| Green | 0.5483 | 1.0000 |  |  |
| L\* | 0.8639 | 0.8927 | 1.0000 |  |
| b\* | **0.9213** | 0.8281 | **0.9881** | 1.0000 |
| *Values in bold are considered high correlation value (>0.9)* | | | | |



**Supplementary Figure 2.** Correlation matrix of color valus in FT treatment

**Supplementary Table 3**. Correlation analysis result of color values in FM treatment

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Red | Green | L\* | b\* |
| Red | 1.0000 |  |  |  |
| Green | 0.4441 | 1.0000 |  |  |
| L\* | 0.7272 | **0.9367** | 1.0000 |  |
| b\* | 0.8711 | 0.8224 | **0.9651** | 1.0000 |
| *Values in bold are considered high correlation value (>0.9)* | | | | |



**Supplementary Figure 3.** Correlation matrix of color valus in FS treatment