Table1. Absorbance of Sample Extract (first day)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Nama Sampel** | **Fn1=663nm** | **Fn2=645nm** | **Fn3=505nm** | **Fn4=453nm** |
| 1 | BLANK | -7.2E-04 | -0.00122 | -0.00110 | -0.00108 |
| 2 | Y:TP = 9:1 | 0.06888 | 0.06761 | 0.17310 | 0.15422 |
| 3 | Y:TP = 8:2 | 0.08623 | 0.08516 | 0.27588 | 0.24934 |
| 4 | Y:TP = 7:3 | 0.12714 | 0.12656 | 0.39714 | 0.35194 |
| 5 | Y:TP = 6:4 | 0.16049 | 0.16457 | 0.53644 | 0.50517 |
| 6 | Y:TP = 5:5 | 0.06808 | 0.06873 | 0.53687 | 0.46980 |
| 7 | Y:TP = 4:6 | 0.09492 | 0.09697 | 0.56096 | 0.50552 |
| 8 | Y:TP = 3:7 | 0.15346 | 0.15494 | 0.81306 | 0,71440 |
| 9 | Y:TP = 2:8 | 0.15221 | 0.15500 | 1.1161 | 0.98357 |
| 10 | Y:TP = 1:9 | 0.11249 | 0.11507 | 0.80241 | 0.76291 |
| 11 | Jus tomat | -0.02861 | -0.03575 | 0.54292 | 0.47690 |
| 12 | Pasta tomat | 0.00862 | 0.00345 | 0.44748 | 0.48274 |

Y:TP wasYogurt : tomato paste

Table2. Absorbance of Sampel (after two weeks)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Nama Sampel** | **Fn1=663nm** | **Fn2=645nm** | **Fn3=505nm** | **Fn4=453nm** |
| 1 | BLANK | 7.2E-04 | 4.3E-04 | 9.2E-04 | 8.5E-04 |
| 2 | Y:TP = 9:1 | -0.01102 | -0.01251 | 0.02681 | 0.02177 |
| 3 | Y:TP = 8:2 | 0.06377 | 0.06558 | 0.38768 | 0.36409 |
| 4 | Y:TP = 7:3 | 0.11874 | 0.12413 | 0.41507 | 0.40907 |
| 5 | Y:TP = 6:4 | 0.02751 | 0.02632 | 0.42239 | 0.36458 |
| 6 | Y:TP = 5:5 | -0.01244 | -0.01270 | 0.33188 | 0.28586 |
| 7 | Y:TP = 4:6 | 0.01268 | 0.00880 | 0.18983 | 0.16942 |
| 8 | Y:TP = 3:7 | 0.05418 | 0.05327 | 0.45279 | 0.41934 |
| 9 | Y:TP = 2:8 | 0.10034 | 0.09859 | 0.63196 | 0.56865 |
| 10 | Y:TP = 1:9 | -0.04057 | -0.04414 | 0.31941 | 0.27258 |

Y:TP wasYogurt : tomato paste

Table3. Lycopene Content in Yogurt-Tomato

|  |  |  |
| --- | --- | --- |
| **Ratio of**  **Yogurt-Tomat** | **Lycopene content** | |
| **One day (µg/g)** | **Two weeks (µg/g)** |
| 9:1 | 1.8491 | 0.1383 |
| 8:2 | 2.4232 | 2.8751 |
| 7:3 | 3.6174 | 3.6213 |
| 6:4 | 4.6011 | 2.7003 |
| 5:5 | 4.3300 | 2.8937 |
| 4:6 | 4.5090 | 1.2614 |
| 3:7 | 5.8652 | 3.9372 |
| 2:8 | 7.4993 | 4.2116 |
| 1:9 | 5.3730 | 1.8299 |

Tomato juice = 3,7568 µg/g; Tomato paste = 2.8194 µg/g