**Lampiran 4. Analisis Penelitian Utama**

1.Lampiran Analisis Kadar Air

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sampel | W1 | W2 | W0 | Ws | % Kadar Air | | Rata-rata |
| F1X1 | 21.46 | 21.33 | 20.45 | 1.01 | 12.87 | % | 11.20365 |
| F1X2 | 21.85 | 21.75 | 20.85 | 1.01 | 10 | % |  |
| F1X3 | 21.93 | 21.79 | 20.92 | 1.01 | 13.86 | % |  |
| F1X4 | 23.67 | 23.57 | 22.66 | 1.01 | 9.901 | % |  |
| F1X5 | 22.23 | 22.14 | 21.21 | 1.02 | 8.824 | % |  |
| F1X6 | 22.1 | 21.98 | 21.08 | 1.02 | 11.76 | % |  |
| F2X1 | 21.44 | 21.34 | 20.42 | 1.02 | 9.804 | % | 10.63299 |
| F2X2 | 22.61 | 22.5 | 21.6 | 1.01 | 10.89 | % |  |
| F2X3 | 22.17 | 22.07 | 21.16 | 1.01 | 9.901 | % |  |
| F2X4 | 31.61 | 31.49 | 30.58 | 1.03 | 11.65 | % |  |
| F2X5 | 23.78 | 23.66 | 22.75 | 1.03 | 11.65 | % |  |
| F2X6 | 25.44 | 25.34 | 24.43 | 1.01 | 9.901 | % |  |
| F3X1 | 31.61 | 31.49 | 30.58 | 1.03 | 11.65 | % | 11.09594 |
| F3X2 | 21.96 | 21.85 | 20.93 | 1.03 | 10.68 | % |  |
| F3X3 | 21.87 | 21.78 | 20.84 | 1.03 | 8.738 | % |  |
| F3X4 | 23.67 | 23.56 | 22.66 | 1.01 | 10.89 | % |  |
| F3X5 | 21.44 | 21.3 | 20.42 | 1.02 | 13.73 | % |  |
| F3X6 | 21.47 | 21.36 | 20.46 | 1.01 | 10.89 | % |  |
| F4X1 | 22.11 | 21.98 | 21.08 | 1.03 | 12.62 | % | 9.815655 |
| F4X2 | 22.22 | 22.13 | 21.21 | 1.01 | 8.911 | % |  |
| F4X3 | 22.62 | 22.52 | 21.6 | 1.02 | 9.804 | % |  |
| F4X4 | 22.16 | 22.05 | 21.15 | 1.01 | 10.89 | % |  |
| F4X5 | 25.45 | 25.36 | 24.43 | 1.02 | 8.824 | % |  |
| F4X6 | 23.77 | 23.69 | 22.75 | 1.02 | 7.843 | % |  |
| RATA-RATA | | | | | 10.687 | % |  | |

2.Lampiran Analisis Kadar Lemak

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sampel | W1 | W0 | Ws | % Kadar Lemak | | Rata-rata |
| F1X1 | 102.36 | 102.35 | 5 | 0.2 | % | 0.698009 |
| F1X2 | 90.23 | 90.21 | 5.02 | 0.398 | % |  |
| F1X3 | 103.37 | 103.35 | 5.03 | 0.398 | % |  |
| F1X4 | 102.41 | 102.36 | 5.02 | 0.996 | % |  |
| F1X5 | 103.43 | 103.37 | 5 | 1.2 | % |  |
| F1X6 | 90.28 | 90.23 | 5.02 | 0.996 | % |  |
| F2X1 | 103.44 | 103.43 | 5 | 0.2 | % | 0.565935 |
| F2X2 | 102.43 | 102.41 | 5.01 | 0.399 | % |  |
| F2X3 | 90.31 | 90.28 | 5 | 0.6 | % |  |
| F2X4 | 90.33 | 90.31 | 5 | 0.4 | % |  |
| F2X5 | 103.5 | 103.44 | 5.01 | 1.198 | % |  |
| F2X6 | 102.46 | 102.43 | 5.01 | 0.599 | % |  |
| F3X1 | 90.39 | 90.36 | 5.02 | 0.598 | % | 0.565804 |
| F3X2 | 90.36 | 90.34 | 5 | 0.4 | % |  |
| F3X3 | 103.58 | 103.56 | 5.03 | 0.398 | % |  |
| F3X4 | 103.56 | 103.52 | 5 | 0.8 | % |  |
| F3X5 | 102.53 | 102.48 | 5 | 1 | % |  |
| F3X6 | 102.48 | 102.47 | 5.01 | 0.2 | % |  |
| F4X1 | 90.34 | 90.33 | 5.01 | 0.2 | % | 0.433001 |
| F4X2 | 103.52 | 103.5 | 5.01 | 0.399 | % |  |
| F4X3 | 102.47 | 102.46 | 5 | 0.2 | % |  |
| F4X4 | 90.41 | 90.39 | 5.01 | 0.399 | % |  |
| F4X5 | 103.63 | 103.58 | 5 | 1 | % |  |
| F4X6 | 102.56 | 102.54 | 5 | 0.4 | % |  |
| RATA-RATA | |  |  | 0.566 | % |  |

3.Lampiran Analisis Kadar Protein

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| sampel | Ws | V Sampel | fp(V blanko - V sampel ) X N NaOH X 14.008 | W sampel x 1000 | Kadar N Total | Kadar Protein |  |
| F1X1 | 1.01 | 18.5 | 14.008 | 1010 | 1.386931 | 8.668317 | 9.39096 |
| F1X2 | 1 | 18.5 | 14.008 | 1000 | 1.4008 | 8.755 |  |
| F1X3 | 1.01 | 18.5 | 14.008 | 1010 | 1.386931 | 8.668317 |  |
| F1X4 | 1.01 | 18.5 | 14.008 | 1010 | 1.386931 | 8.668317 |  |
| F1X5 | 1.01 | 18.4 | 21.012 | 1010 | 2.080396 | 13.00248 |  |
| F1X6 | 1.02 | 18.5 | 14.008 | 1020 | 1.373333 | 8.583333 |  |
| F2X1 | 1 | 18.5 | 14.008 | 1000 | 1.4008 | 8.755 | 12.98151 |
| F2X2 | 1.01 | 18.3 | 28.016 | 1010 | 2.773861 | 17.33663 |  |
| F2X3 | 1.02 | 18.4 | 21.012 | 1020 | 2.06 | 12.875 |  |
| F2X4 | 1.01 | 18.3 | 28.016 | 1010 | 2.773861 | 17.33663 |  |
| F2X5 | 1.02 | 18.5 | 14.008 | 1020 | 1.373333 | 8.583333 |  |
| F2X6 | 1.01 | 18.4 | 21.012 | 1010 | 2.080396 | 13.00248 |  |
| F3X1 | 1 | 18.4 | 21.012 | 1000 | 2.1012 | 13.1325 | 12.26666 |
| F3X2 | 1.01 | 18.4 | 21.012 | 1010 | 2.080396 | 13.00248 |  |
| F3X3 | 1.01 | 18.5 | 14.008 | 1010 | 1.386931 | 8.668317 |  |
| F3X4 | 1 | 18.5 | 14.008 | 1000 | 1.4008 | 8.755 |  |
| F3X5 | 1.02 | 18.3 | 28.016 | 1020 | 2.746667 | 17.16667 |  |
| F3X6 | 1.02 | 18.4 | 21.012 | 1020 | 2.06 | 12.875 |  |
| F4X1 | 1.03 | 18.4 | 21.012 | 1030 | 2.04 | 12.75 | 12.20333 |
| F4X2 | 1.02 | 18.3 | 28.016 | 1020 | 2.746667 | 17.16667 |  |
| F4X3 | 1.03 | 18.5 | 14.008 | 1030 | 1.36 | 8.5 |  |
| F4X4 | 1.01 | 18.4 | 21.012 | 1010 | 2.080396 | 13.00248 |  |
| F4X5 | 1 | 18.4 | 21.012 | 1000 | 2.1012 | 13.1325 |  |
| F4X6 | 1.01 | 18.5 | 14.008 | 1010 | 1.386931 | 8.668317 |  |
| Rata-rata |  | | | | | 11.71061 |  |

4.Lampiran Analisis Kadar Karbohidrat

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| sampel | Ws | V Sampel | V blanko | ml Tio 0.1N | mg glukosa X Φ | Ws X 1000 | % G invert | Kadar Pati |  |
| F1X1 | 1.010 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1010 | 70.27814 | 63.25033 | 63.46116 |
| F1X2 | 1.000 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1000 | 72.25252 | 65.02726 |  |
| F1X3 | 1.010 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1010 | 69.01913 | 62.11722 |  |
| F1X4 | 1.010 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1010 | 71.53714 | 64.38343 |  |
| F1X5 | 1.000 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1000 | 69.70933 | 62.73839 |  |
| F1X6 | 1.010 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1010 | 70.27814 | 63.25033 |  |
| F2X1 | 1.000 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1000 | 69.70933 | 62.73839 | 63.88283 |
| F2X2 | 1.000 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1000 | 70.98092 | 63.88283 |  |
| F2X3 | 1.000 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1000 | 72.25252 | 65.02726 |  |
| F2X4 | 1.000 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1000 | 69.70933 | 62.73839 |  |
| F2X5 | 1.000 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1000 | 70.98092 | 63.88283 |  |
| F2X6 | 1.000 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1000 | 72.25252 | 65.02726 |  |
| F3X1 | 1.010 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1010 | 69.01913 | 62.11722 | 63.56469 |
| F3X2 | 1.000 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1000 | 70.98092 | 63.88283 |  |
| F3X3 | 1.010 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1010 | 71.53714 | 64.38343 |  |
| F3X4 | 1.000 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1000 | 69.70933 | 62.73839 |  |
| F3X5 | 1.000 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1000 | 70.98092 | 63.88283 |  |
| F3X6 | 1.010 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1010 | 71.53714 | 64.38343 |  |
| F4X1 | 1.010 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1010 | 69.01913 | 62.11722 | 63.45927 |
| F4X2 | 1.010 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1010 | 70.27814 | 63.25033 |  |
| F4X3 | 1.010 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1010 | 71.53714 | 64.38343 |  |
| F4X4 | 1.000 | 2.700 | 8.3 | 5.696746 | 13.94187 | 1000 | 69.70933 | 62.73839 |  |
| F4X5 | 1.000 | 2.600 | 8.3 | 5.7984736 | 14.19618 | 1000 | 70.98092 | 63.88283 |  |
| F4X6 | 1.010 | 2.500 | 8.3 | 5.9002012 | 14.4505 | 1010 | 71.53714 | 64.38343 |  |
| Rata-rata |  | | | | | | | 63.59199 |  |