**Table 3.** Results of *in vivo* measurement of glucose, and insulin levels

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Group** | **Glucose (mg/dL)** | | | **Insulin (ng/mL)** | | | |
| H7 | H14 | H21 | | H7 | H14 | H21 | |
| **Normal (control)** | 103.31 ± 5.66a | 92.74 ± 3.15a | 90.05 ± 8.27a.b | | 8.09 ± 4.93a | 15.64 ± 12.32a | 12.15 ± 4.11a | |
| **Diab+water** | 125.84 ± 4.34b | 123.71 ± 1.61b | 123.62 ± 1.99c | | 19.70 ± 1.64a | 68.49 ± 9.86a | 91.86± 69.19b | |
| **Diab+ Met** | 110.29 ± 6.20a | 105.26 ± 2.99a | 100.25 ± 2.37b | | 9.83 ± 0.82a | 2.86 ± 2.47a | 3.44 ± 0.00a | |
| **Diab+ *NLME*** | 95.40 ± 2.14a | 95.87 ± 1.42a | 82.12 ± 14.03a | | 9.83 ± 2.47a | 9.25 ± 8.21a | 3.44 ± 1.64a | |

*NLME*: Namnam Leaves Methanol Extract, Met: Metformin. Diab: Diabetic. Each data is expressed in average ± standard deviation, n =3. Numbers followed with different letters in the same column are significantly different (P<0.05).

**Table 4.** Results of *in vivo* measurement of triglyceride level

|  |  |  |  |
| --- | --- | --- | --- |
| **Group** | **Triglyceride (mg/dL)** | | |
| **H7** | **H14** | **H21** |
| **Normal** | 125.33 ± 3.57 a | 105.27 ± 10.51a | 114.24 ± 3.01a |
| **Diab + water** | 157.20 ± 19.72b | 150.26 ± 8.48b | 135.84 ± 2.90a |
| **Diab + Met** | 92.75 ± 34.92a | 103.80±7.07a | 110.74 ± 6.39a |
| **Diab + *NLME*** | 117.93±2.95a | 105.93±8.80a | 118.45 ± 22.26a |

*NLME*: Namnam Leaves Methanol Extract, Met: Metformin. Diab: Diabetic. Each data is expressed in average ± standard deviation, n = 3. The numbers followed by different letters in the same column are significantly different (P<0.05).

**Table 5.** Results of *in vivo* measurement of glycogen levels

|  |  |  |  |
| --- | --- | --- | --- |
| **Group** | **Glycogen (mg)** | | |
| H7 | H14 | H21 |
| **Normal (control)** | 112.23 ± 1.41b | 97.81 ± 3.50b | 83.56 ± 7.99b |
| **Diab+water** | 36.23± 21.04a | 19.94 ± 2.69a | 4.61 ± 3.63a |
| **Diab+ Met** | 53.40 ± 11.12a | 115.84± 17.51b.c | 82.93 ± 35.72b |
| **Diab+ *NLME*** | 113.18 ± 2.83b | 112.94± 12.48b.c | 109.32 ± 23.99b |

*NLME*: Namnam Leaves Methanol Extract, Met: Metformin. Diab: Diabetic. Each data is expressed in average ± standard deviation, n = 3. Numbers followed with different letters in the same column are significantly different (P<0.05).