

**EFFECTS OF *Musa acuminata* L. (DWARF CAVENDISH) EXTRACT
ON THE SLEEPING PATTERNS OF
Mus musculus (ALBINO MICE)**

An Undergraduate Thesis Presented to
The Faculty of the Biological Sciences Department
College of Science
De La Salle University – Dasmariñas
Dasmariñas, Cavite

In Partial Fulfillment of the Requirements
for the Degree of Bachelor of Science Major in Human Biology

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December 2006

ABSTRACT

The sleeping patterns and social behavior of sixty three month old male albino mice, which were administered for ten days to consume different concentrations of dwarf Cavendish extracts, were monitored in this research. The aim is to see what concentration/s induced a significant effect on both factors and what these effects are. The test organisms at 80% showed a very significant effect when it comes to both sleeping patterns and wheel activity.

Further analysis of the data showed that at 50% concentration of dwarf Cavendish extract or greater induced a significant rate of sleep compared to that without dwarf Cavendish in their diet. And a lower wheel activity was registered in 80% concentration of the extract. Thus, an increased concentration of dwarf Cavendish extract would yield an increased hours of sleep but decreased wheel activity. The concentration at 80% of dwarf Cavendish extract induced a significant decrease in wheel activity of the test organisms; while concentrations 50% and 80% induced a significant increase in the sleeping patterns of the mice.

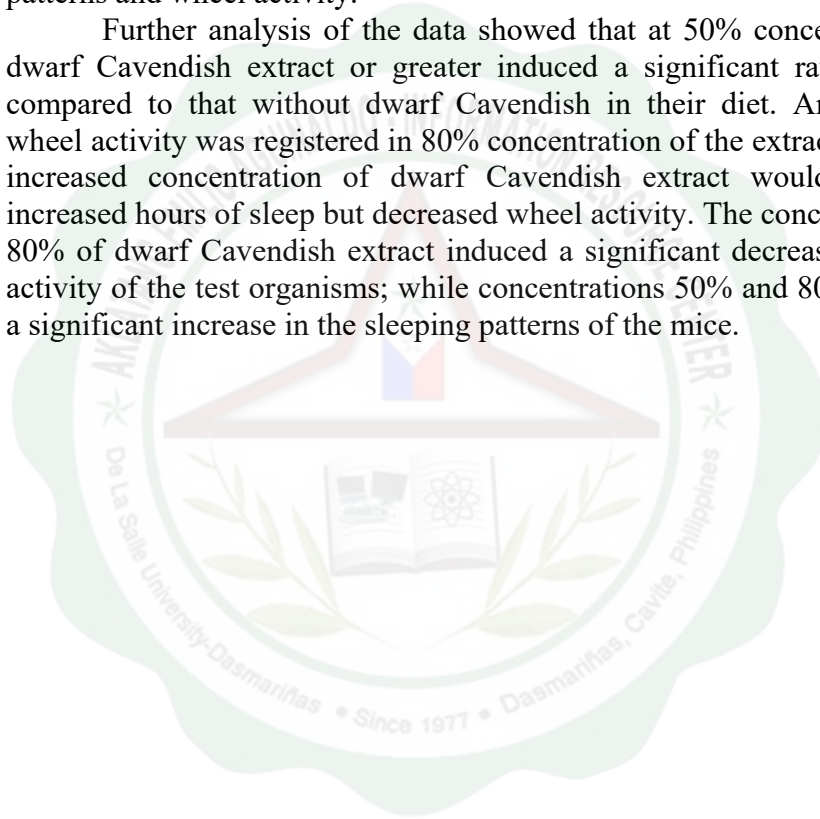


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