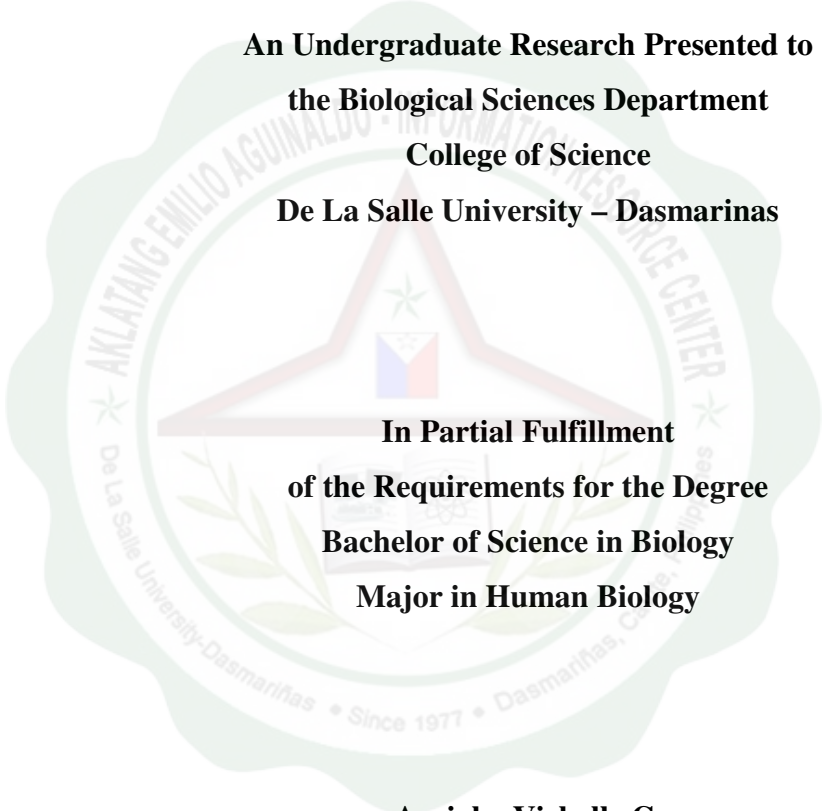


**NEPHROPROTECTIVE POTENTIAL OF DRIED *Gekko gecko* L.
(TOKAY GECKO) ON GENTAMICIN – KIDNEY DAMAGE IN MALE
Rattus norvegicus (ALBINO RATS)**

**An Undergraduate Research Presented to
the Biological Sciences Department
College of Science
De La Salle University – Dasmariñas**



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

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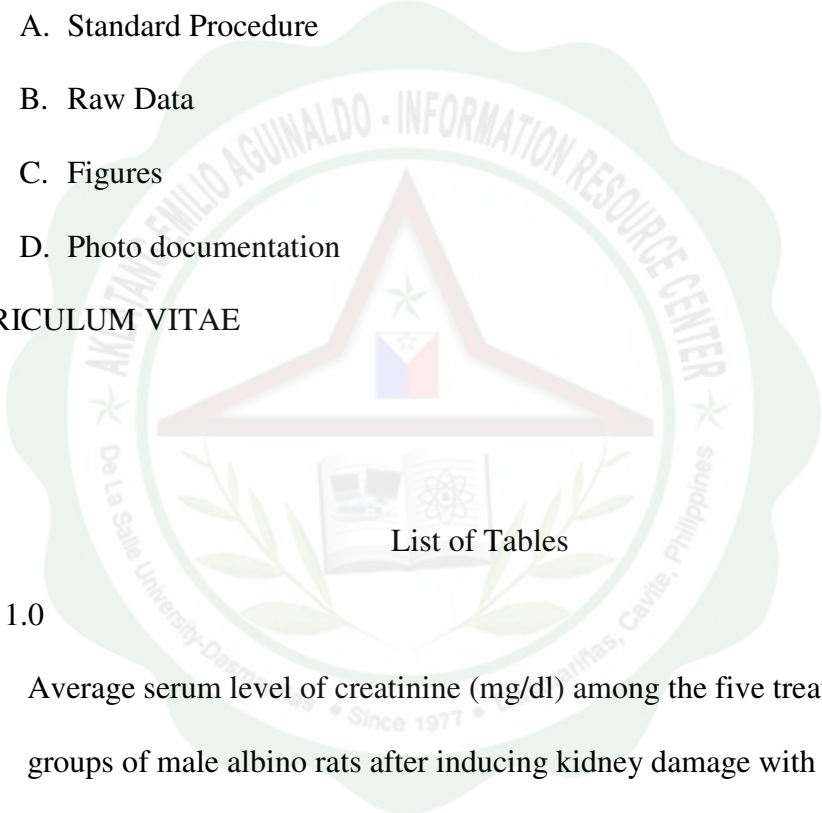
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ABSTRACT

The study investigated the nephrotoxicity of gentamicin in male Albino rats and the possible nephroprotective potential of dried Tokay gecko that may offer against the damaging effects in kidneys. Randomized complete block design was employed in the experiment, wherein fifty-five male albino rats were grouped into five treatments: control group receiving NSS, negative control induced with gentamicin and three treatment groups administered with different concentrations of dried gecko (2%, 5% and 10%). Average serum creatinine and blood urea nitrogen were used to assess the kidney damage in rats. It is proven that eight days or prolonged administration of gentamicin at a dosage of 80mg/kg/bw can cause kidney damage in rats. Among the treatment groups that were given varying concentration of dried gecko, the group that received 10% concentration exhibited the most effective in decreasing serum creatinine and blood urea nitrogen compared to the lower concentration that is not effective in protecting kidney disease or damage.

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