

## **ABSTRACT**

### **COMPARATIVE STUDY OF ONE-WAY ANALYSIS OF VARIANCE USING CONVENTIONAL METHODS WITH ANOM**

**By**

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Analysis of variance (ANOVA) is a common way to compare the difference of treatments effect. In this study, we showed the use of conventional ANOVA compare with ANOM. We also tried to elaborate SANOM method and Tukey to see the difference between the two method. The results showed that ANOM and SANOM can be applied more easily and efficiently and produces a graph that shows the location of the average of treatment effect which is not shown in conventional method.

**Keywords:** One-way Analysis of Variance, ANOM, SANOM, Tukey w.