1146-62-475 **Danush K Wijekularathna*** (dwijekularathna@troy.edu), Department of Mathematics, Troy University, Troy, AL 36082, and **Huijun Yi** and **Adhiraj Roka**. *Tests Based on Kurtosis for Multivariate Normality.* Preliminary report.

In this paper, we first apply a transformation to transform a multivariate normal into independent standard normal, then we propose the multivariate version generalized from the univariate normality test based on kurtosis from the literature. Power is investigated through the Monte Carlo Simulation with different signi ficance level, dimension, and sample size. To assess the validity and accuracy of new tests, we carry a comparative study with several other existing tests by selecting certain types of symmetric and asymmetric alternative distributions. (Received January 28, 2019)