

This Final Year Project Report entitled "The Study of Correlations Between *Dicranopteris linearis* Covered Area to Canopy Openness in UiTM Sabah Secondary Forest" was submitted by Syadzaratunnuur Binti Aziz, in partial fulfillment of the requirements for the award of the Degree of Bachelor of Science (Hons.) Biology in the Faculty of Applied Sciences, Universiti Teknologi MARA, 44000 Shah Alam, Selangor, Malaysia.

THE STUDY OF CORRELATIONS BETWEEN *Dicranopteris linearis* COVER AREA TO CANOPY OPENNESS IN UiTM SABAH SECONDARY FOREST

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ABSTRACT

THE STUDY OF CORRELATIONS BETWEEN *Dicranopteris linearis* COVERED AREA AND CANOPY OPENNESS IN UiTM SABAH SECONDARY FOREST.

UiTM Sabah forest was previously experienced fire in 1996 -1997. A study of correlation between *Dicranopteris linearis* cover area and canopy openness was conducted in secondary forest in UiTM Sabah from October to November 2014. Data for this study were collected by doing random plot and hemispherical photography at the plot area. 15 quadrates and 10 transects were made with total to 25 random plots. It was obtained that there is positive correlation coefficient, r with $r = 0.71$. The canopy openness obtained were ranges from 14.07% to 34.10% with mean canopy openness 23.08%. It is highly recommended to include the study of spatial resource availability such as soil pH, nutrients and structure, plants rooting that can change soil structure and influence of allelopathic plants to *Dicranopteris linearis*.