

A Study on Mathematics Interest And Self Esteem By Gender And Module Among Pre-University Students

Mohd Nazim Mat Nawi ^{1,*}, Norlaili Md Saad¹, Suraya Hassan¹, Nurfatihah Mohamad Hanafi¹

¹*Department of Mathematics, Centre for Foundation Studies, International Islamic University of Malaysia, Gambang Campus, 26300 Gambang, Pahang, Malaysia*

*Corresponding author: mohdnazim@iium.edu.my

Abstract. Learning is energized by interest, which is an important motivating factor that directs academic and professional paths and is crucial for academic success. Thus, mathematics interest is critical in motivating students to achieve well in any mathematical course. Self-esteem is yet another important element that contributes to successful academic achievement. The aim of the study is to examine the gender differences among pre-university based on mathematics interest and self-esteem. Purposive sampling technique was used to select a sample of 508 students from 1600 Centre for Foundation Studies (CFS), International Islamic University Malaysia (IIUM) sciences students who are taking mathematics in semester 1, 2022/2023. The instrument used was Academic Interest Scale for Adolescents (AISA), which measures interest in Mathematics, and the Rosenberg Self-Esteem Scale, which measures self-esteem. According to the findings, there is almost moderate, direct and positive association between Mathematics interest and self-esteem. Males scored highly on self-esteem compared to female adolescents, indicating that there are considerable gender disparities in this area.

Keywords. Pre-university programme; Mathematics interest; Self-esteem; Gender biases.



Certificate of Award

This is to certify that

Mohd Nazim Mat Nawi, Norlaili Md Saad, Suraya Hassan, Nurfatihah Mohamad Hanafi

with e-poster title

MATHEMATICS INTEREST AND SELF ESTEEM: A STUDY ON GENDER DIFFERENCES AMONG PRE-UNIVERSITY STUDENTS

has been awarded

GOLD MEDAL

at the

CONFERENCE ON FUTURE AND SUSTAINABLE EDUCATION 2022

29 & 30 NOVEMBER 2022

Tn. Hj. Murshid Bin Kassim
Dean

Centre for Foundation Studies
International Islamic University Malaysia