



NURUL AZMAH MUSA

Ms Nurul Azmah is from Batu Pahat, Johor. She received her secondary education from SMK Tun Ismail, before she continued her matriculation study in Kolej Matrikulasi Melaka. After matriculation, Ms Azmah decided to continue her career in the field of medical and choose to further in Bsc (Biomedical Sciences) at Universiti Putra Malaysia.

Ms Azmah final year project entitled 'Inferring of Beta-Defensins Multiallelic Gene in A Family Case Using Microsatellite Analysis' under the supervision of Dr Suhaili Abu Bakar. This research involved Ms Azmah to quantified beta-defensins diploid copy number using two Paralogue Ratio Test (PRT) which are PRT107A and HSPD21A. Next, an insertion/deletion (INDEL) named as 5DEL and two microsatellites namely EPEV1 and EPEV3 were used to infer the copy number of beta-defensins in haploid genome. Data analysis was then carried out by collecting all the individual allelic length. From this analysis, she identified that following the allele segregation in a multigenerational family is powerful analysis to determine the inheritance pattern of the genes particularly for beta-defensins copy number variable gene.

**The PGM Book Prize is awarded to final year university students who have accomplished outstanding thesis or research work in the field of genetics. The award, which carries with it a cash voucher worth RM500, is established to bring increasing recognition of the scholarly interests and to promote the culture of research among students. Universities will be invited to submit their nominations for the winners of the prize. At present, six students have been awarded the book prize from various universities since its establishment in 2011.*