

RM Poly Pack(M) Sdn Bhd: UiTM's Plastics Packaging Start Up, a Manufacturer of Bottles, Jars, BioStraws and Biobags

by Assoc. Prof. Dr Rahmah Mohamed, Faculty of Applied Sciences, UiTM Shah Alam

Her involvement in bioplastics with her various diamond and gold awards at international and national levels had not gone to waste. She had started her manufacturing factory near UiTM in Shah Alam in 2020 and 2021. Amidst the full movement control order (MCO) period since Mac 2020, she was able to spearhead manufacturing BIOstraws via original equipment manufacturer (OEM) and produce her design bottles with her self-financed blow moulding machine. She is confident that the future of packaging bottles, namely degradable bottles, are in demand. She had been granted the UiTM Synergy project from 2015 to 2018 to produce degradable bottles.

For BIOstraws projects, she had successfully made her own starch-based BioStraw from Agri wastes composites via OEM with a company in Selangor. She had been awarded a Prototype Development Research Grant (PRGS) and waiting to obtain and mass-produce her BIOstraws. She had started to sell BIOstraws via Shopee and other marketing restaurants and shops.

So far, for conventional bottles, she had managed to sell 100k bottles for less than a year and for BIOstraws, since its still has a higher price than traditional straws, it had been sold for modest quantities of more than 5k pieces. Up to now, She has produced more than ten designs of bottle moulds from 250 to 1500 ml bottles and three jars for F&B, healthcare and storage packaging needs. She is introducing a new design and packaging needs of consumers, ranging from normal roadside sellers to premium F&B outlets.

She hopes other than owning the blow moulding machine, she plans to obtain straw making machine to complement the drink bottle. As for single plastics manufacturing, she hopes to produce her own bioplastics bag from a film-making machine and integrate all packaging products under her factory licensed under Shah Alam City Council (MBSA). She had managed to sell and market to Small Scale medium industries SME F&B companies.

Direct sales to constant customers are growing, and placing in supermarkets are on the agenda by the end of December 2021. It is hoped that RM Poly Pack M Sdn Bhd could get a fair share of the market from the growing F&B industry, UiTM KOOP, and its own groomed entrepreneurs.



RM Poly Pack(M) Sdn Bhd.: UiTM's Plastics Packaging Start Up, a Manufacturer of Bottles, Jars, BioStraws and Biobags