

## **ABSTRACT**

*The problem of increasing plastic waste every year can cause pollution, damage to the environment, and natural disasters. One way to reduce plastic waste is by recycling it into new products. The design innovation aims to develop CV. Syams Indonesian Handicraft and craftsmen. Plastic waste is processed into materials that can be used to create products such as stools or chairs using weaving methods. This method can reduce the amount of plastic waste by recycling it into useful products and also provides a product update for CV. Syams Indonesian Handicraft. The conclusion of this design is to gain new knowledge about the use of plastic waste materials to reduce their quantity and provide innovative product updates for CV. Syams Indonesian Handicraft.*

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**Keywords :** *Plastic waste, Stool, Product Innovation*