

**UNIVERSITI TEKNOLOGI MARA**

**DUSTBIN LID PEDAL LIFTER**

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## **ABSTRACT**

The 12 gallon or 45-liter dustbin is commonly used everywhere, including retail malls, schools, hospitals, and cafés. The issue is that when it comes time to throw away trash, the lid must be lifted in order to put the trash inside the bin. Some individuals prefer not to grab the lid when it is dirty or when both hands are busy, and instead simply place the garbage around the dustbin. This project aims to provide an attachment for any 12 gallon or 45-liter dustbin. It is essentially a foot-operated lid opening device that lifts the lid of the dustbin by stepping on the foot pedal. There is an adjustable part of the frame that can accommodate slightly different dimensions of different dustbins. As a result of applying this product, the dustbin lid does not need to be lifted by your hand and is simple to manage. It also helps in keeping your surroundings clean and neat. To address these issues, a 45-liter dustbin can be attached to this product by simply step on the foot pedal and the lid will lift up. To summarize, this product will benefit everyone and some areas' hygiene.

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