



ABSTRACT

Double acting aluminum can and plastic bottle compactor for volume reduction was designed and created to provide 1/5 of the original volume of the compacted can and bottle. Compressed aluminum can and plastic bottle save space for the trash bin, provide additional weight for aluminum can and plastic bottles for recycling purposes, and lessen man power effort in compacting. Economical research and design research were used and considered in the methodology to make the study possible. By this study, the researchers emphasize proper segregation and waste disposal by means of the machine prototype designed and created.