

## Kajian perilaku pelat papan partikel cacah kotak aseptik-phenol formaldehida terhadap dua beban terpusat yang bekerja secara bersamaan

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### Abstrak

This study describes the behavior of particle board with plate count of aseptic box that uses phenol formaldehyde particleboard subjected to a couple of concentrated load. Particle board is made of aseptic material which is a material used for packaging beverages that are difficult to recycling. Aseptic material contains a type of silica contained in the aluminum layer of aseptic packaging. Section allows to increase the strength of particle board. For test in particle board used in accordance with regulations JIS (Japanese Industrial Standards) A 5908-2003 and SNI 03 - 2105 - 2006 on particleboard. From this research, the review is the power of board particle counting aseptic box is burdened by the a couple of concentrated load. For the mix design calculations using trial and error method in order to get the composition that produces the greatest strength.