



# THE USE OF RICE HUSK ASH AS REPLACEMENT MATERIAL IN PRODUCING PERVIOUS CONCRETE

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## PENERANGAN INOVASI

Pervious concrete has a high porosity rate and results in lower strength values which are between 3.5 MPa to 28 MPa. Pervious concrete is not widely used as it cannot withstand high loads. Pervious concrete has been successfully used for low-volume streets, parking area, driveways, sidewalks, drain cover, golf cart paths, retaining walls, slope protection, and French drains. It can also be utilized for a variety of paving projects. Therefore, a study will be conducted to determine the appropriate replacement materials to enhance the strength of existing pervious concrete.

## IMPAK INOVASI

The average strength in set A from the compaction test for day 7 is 5.05 MPa. In 14 days, the strength of pervious concrete for set A will increase. It is because the longer the curing period is carried out, the higher the strength value to be obtained. The result for replacement material is also different by percentage used. The more replacement material used, the higher the strength value

## OBJEKTIF

The objective of this study is to determine the strength of pervious concrete by adding rice husk ash as replacement material in pervious concrete mixtures and compare the strength between existing pervious concrete and pervious concrete mixture with rice husk ash.

## BLOK DIAGRAM/CARTA ALIR OPERASI

