

Rancang campur pembuatan pervious concrete = Mix design of pervious concrete

Ni Made Rahmayati, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20239730&lokasi=lokal>

Abstrak

The title of this research is "Mix Design of Pervious Concrete". The research will criticize on how to make pervious concrete as an alternative in concrete construction. Pervious Concrete can be made by concrete, asphalt, open-celled stones and gravels. These materials have to be mixed with a certain dosage in order to produce open celled structures which can be ran through by water and air. The research which was held at laboratorium, is done by doing some testing to sampels that already designed based on planned compositions. The testing covers; pressure test, bending test and porosity test to make sure that the samples can be ran through by water and air. From the compositons that already planned, this research is hoping to get shape or form variations of pervious with the information of strength from each compotitions.

<hr>Skripsi ini berjudul "Rancang Campur Pembuatan Pervious Concrete" membahas mengenai cara pembuatan pervious concrete sebagai salah satu alternatif konstruksi beton. Pervious concrete dapat dibuat dari beton, aspal, open-celled stones, dan kerikil dimana bahan-bahan tersebut dapat dicampur sedemikian rupa sehingga menghasilkan struktur berlubang yang dapat dilewati air dan udara. Penelitian ini dilakukan di laboratorium dengan cara melakukan pengujian terhadap benda uji yang telah didesain dengan komposisi yang direncanakan. Pengujian benda uji tersebut berupa pengujian kuat tekan, kuat lentur dan pengecekan porositas untuk memastikan keadaan benda uji dapat dilewati air dan udara. Dari variasi komposisi yang telah direncanakan diharapkan didapat bentuk pervious yang bermacam-macam dan dapat diketahui kekuatan masing-masing komposisi.