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**KAJIAN KUAT TEKAN BETON DENGAN MENGGUNAKAN
AGREGAT KASAR BERUPA KERAMIK 75% DAN BATU
PECAH 25% POLIMER SEBAGAI PEREKAT**

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ABSTRAK

Penelitian ini dilakukan pengujian kekuatan tekan antara beton polimer dengan keramik 75 % dari volume pasta terhadap varian campuran pasta polimer 1 : 2 (katalis : resin) kadar 20%,40%,50%. Pengujian benda uji berbentuk kubus berumur 3 hari. nilai kuat tekan beton tertinggi ada di BPK75(3) berat benda uji 6.482 kg, nilai kuat tekan 36.89 Mpa, dan yang terendah di BPK75(1) 6.163 kg, 29.51 Mpa, sedangkan BPK75(2) 6.416 , 35.97 Mpa. di ketahui terjadi peningkatan kuat tekan beton di uji ke 2 dan ke 3 sebesar 0,92 Mpa.

Kata kunci : *Beton polimer, Kuat tekan, Keramik.*

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**STUDY OF THE COMPRESSIVE STRENGTH OF CONCRETE USING
COARSE AGGREGATE IN THE FORM OF 75% CERAMIC AND 25%
POLYMER BRUSHED ROCK AS ADHESIVE**

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ABSTRACT

In this research, the compressive strength test was carried out between polymer concrete and ceramic 75% of the volume of the paste against a variant of the polymer paste mixture 1: 2 (catalyst: resin) content of 20%, 40%, 50%. Testing of cube-shaped specimens aged 3 days. the highest concrete compressive strength value is in BPK75(3) the weight of the test object is 6.482 kg, the compressive strength value is 36.89 Mpa, and the lowest is in BPK75(1) 6.163 kg, 29.51 Mpa, while BPK75(2) is 6.416 , 35.97 Mpa. It is known that there was an increase in the compressive strength of concrete in the 2nd and 3rd tests of 0.92 MPa.

Keywords : Polymer concrete, Compressive strength, Ceramics.