

COCONUT BRICKS

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PENERANGAN INOVASI

(Latarbelakang inovasi/cetusan idea/penyataan masalah)

- High demand of raw material (sand) will cause water pollution
- High cost in construction
- Average mass of cement bricks is 2.6 Kg which is heavy
- Cement bricks absorb water easily
- Easily to crack and break

IMPAK INOVASI

(Kelebihan/Potensi pasaran/Sebarluas inovasi)

- Used in the construction of low-cost housing.
- Bricks manufactured using concrete are typically cheaper than clay bricks.
- They are also highly durable and low maintenance.
- Less water absorption and more in strength and having low density of blocks.
- Sources of material used locally availability of materials .

OBJEKTIF

- To produce cement brick from old coconut shell and coconut shell ash as replacement alternative material for sand and cement.
- To determine the mechanical propertise of the brick with the additional materials of crushed coconut shell and coconut coal ashes by conducting compressive strength test, density test and water absorption test.
- To compare existing cement brick with coconut shell brick

BLOK DIAGRAM/CARTA ALIR OPERASI

