

ABSTRACT

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Development of Jakarta Beach Safety Project Stage 3 Package 1

Method of Implementing and Calculating for The Needs of Capping Beam Casting Volume in STA 0+525 – STA 0+550

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Muara Baru Village, Penjaringan District, North Jakarta City is territory which is often hit rob flood every year, because this territory is lowland and its location is in the coast of Jakarta. Based on its background PUPR ministry by means of Satker NVT the Integrated Development for Capital City's Coast (PTPIN) plans Jakarta safety beach project. In Development of Jakarta Beach Safety Project Stage 3 in this Package 1 Satker NVT PTPIN appoints PT. Brantas Abipraya as major contractor and PT. Yodya Karya – KSO PT. Indra Karya as supervision consultant. The length of Jakarta Beach Safety Project Stage 3 in this Package 1 is ± 625 m. The safety beach consist of components of structure such as capping beam, pile cap, tie back, waller beam, and foundation. Spesific problem is Method of Implementing and Calculating for The Needs of Capping Beam Casting Volume in Sta 0+525 - Sta 0+550. Method of Implementing of capping beam begin with cutting the head of the pile, implementation of installation, installation of utility, installation of formwork, capping beam casting, realising formwork, untill maintanancing capping beam concrete. The calculation of casting volume need of pile cap STA 0+525 - STA 0+550 is started by calculating steel volume and materials are in capping beam. Based on calculating which has been done, the need of casting volume of capping beam is $72,5909 \text{ m}^3$

Keyword: Implementation Methods, Calculating Of Casting Volume, Capping Beam.