

Pengaruh material resources and cycle terhadap biaya konstruksi green building dibandingkan dengan conventional building = The effect of material resources and cycle aspect for green building construction cost compared to conventional building

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Abstrak

Seiring dengan kebutuhan dan maraknya pembangunan berkonsep green building, muncul sertifikasi green building di Indonesia. Salah satu aspek yang harus dipenuhi adalah material resources and cycle (MRC) yang memiliki 14 poin maksimum dan terdiri dari tujuh subaspek penilaian. Dalam kaitannya dengan biaya konstruksi, subaspek yang mempengaruhi biaya konstruksi pembangunan green building adalah certified wood, environmentally process product, building material reuse, modular design, dan regional material. Pada pengaplikasiannya di lapangan, aspek MRC tidak membutuhkan biaya tambahan bergantung dengan ketersediaan produk material yang mendukung dan desain awal proyek.

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In the name of needs and trends of green building construction concept, the green certification has been made for Indonesia with one of its aspect is material resources and cycle (MRC) which has 14 points maximum score and divided into 7 scoring subaspects. Related to construction cost, 5 subaspects which have influence for making some differences are certified wood, environmentally process product, building material reuse, modular design, and regional material. Although in the case, MRC aspect does not make any additional cost depends on the products availability and its preliminary design.