

ABSTRAK
**PENERAPAN *VALUE ENGINEERING* PADA PROYEK
PEMBANGUNAN GEDUNG RSUD HJ. ANNA LASMANAH
BANJARNEGARA**

Dian Cahyo Kusuma¹⁾, Fajar Setiawan,¹⁾ Henny Pratiwi Adi, ²⁾, Imam Wahyudi.²⁾

Sarana Pekerjaan dalam dunia teknik sipil mengalami Peningkatan cukup pesat, hal ini diiringi dengan makin banyaknya pembangunan konstruksi gedung bertingkat . Analisis *Value Engineering* perlu dilakukan pada salah satu item rencana anggaran biaya RSUD Hj. Anna Lasmanah yang bertujuan untuk mendapatkan penghematan dari segi biaya tetapi tidak mengurangi daalam segi kualitas. Proses *value engineering* dibagi menjadi 5 tahap, yaitu tahap informasi, kreatif, analisis, pengembangan dan rekomendasi. Pada proyek RSUD Hj. Anna Lasmanah bajarnegara didapatkan pekerjaan dinding dan pekerjaan atap yang akan dilakukan analisis *Value Engineering* karena pada pekerjaan tersebut memiliki prosentase nilai bobot biaya yang tinggi. Hasil analisis *Value Engineering* didapatkan pergantian bahan materiall pada pekerjaan dinding dan atap meliputi pasangan HB/CB 10 spesi camp 1Sp:4Pp diganti pasangan bata merah 1 Pc : 5 Pp, acian dengan mortar diganti acian tanpa mortar, genteng keramik glasur diganti genteng metal, bubungan plentong besar diganti bubungan plentong kecil. perhitungan alternatif setiap pekerjaan dinding dan genteng didapatkan hasil alternatif dinding batu bata merah 1 Pc : 5 Pp, acian tanpar mortar siap pakai dihasilkan penghematan sebesar Rp. 26.915.333,20, sedangkan pada pekerjaan genteteng didapat alternatif genteng metal dan bubungan biasa dihasilkan penghematan sebesar Rp. 9.817.087,00. penelitian ini menghasilkan penghematan pekerjaan dinding dan pekerjaan genteng sebesar Rp. 36.732.420,00 atau 2,98% dari pekerjaan semula. Maka dapat disimpulkan bahwa aplikasi *value engineering* pada pekerjaan-pekerjaan gedung RSUD Hj. Anna Lasmanah Banjarnegara dapat meminimalisir biaya pekerjaan yang direncanakan pada awal.

Kunci : *Value Engineering*, *cost saving*, biaya, dinding dan genteng

ABSTRACT

APPLICATION OF VALUE ENGINEERING IN HJ RSUD BUILDING DEVELOPMENT PROJECTS. ANNA LASMANAH BANJARNEGARA

Dian Cahyo Kusuma¹⁾, Fajar Setiawan,¹⁾ Henny Pratiwi Adi,²⁾ Imam Wahyudi.²⁾

Means of Work in the world of civil engineering have increased quite rapidly, this is accompanied by the increasing number of construction of high-rise buildings. Anaisis Value Engineering needs to be done on one of the item budget plan items at RSUD Hj Anna Lasmanah which aims to get savings in terms of cost but does not reduce in terms of quality. The value engineering process is divided into 5 stages, namely the information, creative, analysis, development and recommendation stages. In the Hj Anna Lasmanah Regional General Hospital project, bajarnegara obtained wall work and roof work that would be carried out by Value Engineering because the work had a high percentage of cost weight. Value Engineering analysis results obtained material changes in the dindig work and roof covering HB / CB 10 speci camp 1Sp: 4Pp replaced with red brick pairs 1 Pc: 5 Pp, pickles with mortar replaced with mortar without mortar, glazed ceramic tiles replaced by metal tiles, large plentong tiles replaced by small plentong tiles. Alternative calculations for each wall and tile work have obtained an alternative to the red brick wall 1 Pc: 5 Pp, while using a ready-made mortar is saving Rp. 26,915,333.20, while for genteteng work, alternative metal tiles and ridges are obtained, resulting in savings of Rp. 9,817,087.00. this study resulted in savings on wallwork and tile work of Rp. 36,732,420.00 or 2.98% of the original work. So it can be concluded that the value engineering application in Hj Anna Lasmanah Banjarnegara Public Hospital building works can minimize the cost of the work planned at the beginning.

Key: Value Engineering, cost saving, costs, walls and tiles