

## **EXECUTIVE SUMMARY**

### **THE USE OF ALUMINIUM FORM (FORMWORK) ON THE APARTMENT CONSTRUCTION AT MEISTERSTADT BATAM**

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*In the development and changing times, of course we all know the technology that is increasingly developing. One that has been developed is the formwork work that started from wood formwork, after that developing steel formwork, to the latest formwork using Aluma (Aluminum). For the Batam Meisterstadt Project, the use of aluminum formwork is a major step, because it can also save money, labor, fuel, and time on human resources.*

*Therefore the analysis that will be discussed in this report is to compare conventional formwork with aluminum formwork in terms of cost, quality and time. The comparison between the two formworks in terms of cost has a difference of Rp. 184,913,028, - which aluminum formwork has a more expensive price, while in terms of quality it is certainly superior to aluminum formwork because it can reduce concrete defects when casting, and for a time difference of 70 days the difference is certainly aluminum formwork more quickly completed. So of course the aluminum formwork is very good to be chosen in the construction of tall buildings but with a note that the building is typical.*

*Keywords : aluminum formwork, time, cost, quality, high-rise buildings.*