

## ***ABSTRACT***

*Construction of buildings in Indonesia is moving forward. It can be seen by the construction of many high-rise buildings, especially in big cities. The building was built higher. The higher the building, the structural system used in building is becoming more diverse, not only just beam column but also there are other structural system such as shear wall. This is a challenge for those who work in building construction. The challenge in question is to be able to manage critical component in construction project. The perpetrators of the construction world is required to be able to manage 5 essential components in project such as human resources (man), funds (money), material, tools (machine), and method to be able to finish project and achieve its objectives: good quality, timely, and cost effective.*

*This thesis discussed fabrication of reinforcement for shear wall using vertical method. The data was obtained through interview with senior officers that implement this vertical method. Analysis was later conducted to determine how much influence this method to project schedule, quality, cost, and safety compared to using fabrication of reinforcement for shear wall using horizontal method.*

*This thesis applied this method to some projects, and study the effect for project performance (in terms of project schedule, cost, and safety). Fabrication of reinforcement for shear wall using vertical method can increase the productivity of rebar worker so that savings can be made in term of time, which indirectly affect the cost. The application of this method however must consider tower crane capacity, change of shear wall dimensions, and some other special tools those are scaffolding, rebar template, spreader, clamp, and white wire.*

*Keywords : method, shear wall, productivity, schedule, cost.*