

## Pengaruh keterlibatan arsitek terhadap kinerja biaya desain gedung bertingkat tinggi di Indonesia

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### Abstrak

*In recent years, participants in construction industry have become increasingly aware of rising overall project costs and perceptions of increased quality problems. Burati, .lodi and Farrington` (1992) stated that design deviations accounted for 78% of the total number of project deviations, 79% of the total deviations cost and 9,5% of the total project cost. This percentage of total number of deviation costs which were spent for rework of design change, errors or omission are significant portion of design cost as well as total project costs.*

Quality experts (AIA 1993) insists that the cost of not having total quality is 25 to 35 percent of total operation spent on cost and time for reviews, revision, check sets, inspection and other redoing works that wasn't done right the first time. The long tenn goal of quality management of design is to maximize revenue (profits) and minimize cost stressing on the efficiency of design process. The efficient process means prevent errors and deviations and reduce rework. In series of AIA roundtables with architects (AIA 1993) in design Firms stated that in achieving a good quality of design, architects have to get involved in design especially at the predesign phase and spread their involvement at all phases of design process.

Architects play a great role in overall design process. Archilaect is a specialist who has knowledge and skill in architecture design. Furthermore, he is also a generalist who has general knowledge in other design specialties and experiences in construction projects. They manage all aspects of project design and get involved simultaneously with client (owner) to define project program, carry out coordination of design development and control all the necessary actions to deliver service to the client.

The research identifies the involvement of architects during design process. Data collected are data of the intensity of the involvement of the architect at all design phmcs. The purpose of the research is to identity the impact of architect involvement in every activities of design stage on design cost. Finally, the result of the research is intended to give a contribution to the construction industry of how architects should play their role and spread their involvement with other project parties. Furthermore, the main purpose is to increase awarncss of the importance of architects involvement at design stage and the impact on design cost peronnance as well as to any concequences on overall project cost.