

## ***ABSTRACT***

Concrete casting method with slipform formwork and climbing form are methods of implementation of two different concrete casting methods, which commonly heard and often implemented in the project. Different methods are on working system on formwork. Slip form moves continuously along the geometric shape of the building structure, the splinting work follows the continuous casting to the height of the planned structure, another factor that determines the outcome for the slip form formwork is the initial time setting of the concrete, as it affects the final result of the concrete structure in the building and the foundry's design, form of knock down, after fixing the formwork is mounted, reinforced, and casting stages until the concrete is hardened, followed by demolition of the formwork, and repeated for the next casting stage until the final elevation of a building. In the casting with formwork climbing form, the initial bonding time of the concrete is not overly calculated, assuming the batching plant is near, and the casting speed is not long. Analysis applied to cyclone preheater building, as the tallest building and as the heart of the cement plant. From the analysis found the work of casting the concrete structure for the cyclone preheater building using slip form, duration of work more faster 5 (five) months, compared with the casting with formwork climbing form, the difference between the two foundry method is, the difficulty of the implementation. The higher the structure the longer the time required, the implementation of formwork climbing form using knock down system, and checking the straightness, especially on the column casting done repeatedly. For the method of casting with formwork slip form is faster in time, but the method of formwork slip form there is an additional cost of about Rp. Rp. 3.104.254.836,16, -.