Work accident is unprecedented event and couldn’t be avoided, but could be prevented through periodic preventive actions. Work accident problem nowadays not only occurred on the industry but also on the entire sector including construction project site. On the large scale construction project building, continued evaluation of K-3 (Safety and Work Health) implementation by measurement used four steps. First step of work accident wash using Root Cause Analysis (RCA) which included three categories minimum, medium and maximum. Second step wash giving quisioner based on three categories management policy and procedure, facilities building and labor protection and also quisioner for procentage value achievement. Third step wash creating score for ergonomic from the procentage result of its categories were given 56.42% in result. In the end step this study used value designed of score for ergonomic K-3 by radar chart and table work implementation state (TIK), which its results has categories on level six in critical situation and needed correction of performance immediately.

Keywords: Root Cause Analysis (RCA), Quisioner, Radar Chart, Table Work Implementation State (TIK).