Human in an organization are always interacting with the environment, including the corporate environment. Work environment that is challenging and complex, and increasingly rapid changes require workers to be able to adjust to the world of work. In this adjustment process, are important to know the environmental conditions that could threaten and endanger themselves. In conducting all its activities, humans require dynamic thinking that all activities can be run well. On the other hand, humans have limitations such as fatigue and lack of energy. Hard work and high work demands of the company caused the workers often experience anxiety, boredom, and also cause stress. Workers will tend to experience stress when less able to adapt to the fact that there is desire, the fact that there is good inside and outside of himself. All forms of stress, basically caused by lack of human mengertian own limits. The inability to counteract these limitations will lead to frustration, conflict, gelisa and guilt. Implementation of such K3 APD distribution on each employee in accordance with the hazards of work, installation of safety sign and poster K3, providing training and refresher K3 and many others can cause job stress on employees. The analytical method used is a Confirmatory Factor Analysis (CFA) to mengkonfiirmasi indicators of latent variables, and also model of
Structural Equation Modeling (SEM) the relationship between employee perceptions of the implementation of K3 to job stress. The results showed that there was no relationship between the implementation of K3 with the stress of work, but the health effect on safety.

**Keywords:** CFA, SEM, stress and K3