ABSTRACT

PT. Ramayana Bakery is one of bakeries which produces various kinds of bread. The production process of PT. Ramayana Bakery uses tools and ingredients which have many dangerous such as heat and noise, fire and explotion. Therefore, the safety of work is the main aspect that should be attention to minimize the loss of material and to safe people / workers live that can be prevented when there is an emergency by using Emergency Response Plan.

The standard of Emergency Response we need safety property equipments. The Safety Equipment that should be fulfilled are emergency exit, meeting point and evacuation line. The number of emergency exit should be counted as in NFPA No. 101, Life Safety code. The determination of emergency evacuation line is influenced by the distance to the emergency exit as in NFPA No.101, Life Safety Code and SPFE of Fire Protection Engineering handbook, 2nd edition NFPA to find the flow time.

Based on the result of the calculation there should be 2 emergency exit for building No. 1 with the size of 525 mm (Width), 3 emergency exit for building No. 2 with size of 1050 mm, 2 emergency exit for building No. 3 with size of 525mm (Width). Furthermore, the meeting point should not be there as where it is now because it is too dangerous to let the have one roof so it will be better if the roofs are separated to minimize the danger.

Key Words : Emergency, Emergency Response Plan, Safety Equipment.