Uji Keamanan Konsumsi Ekstrak Bunga Mawar Merah (Rosa damascena Mill.) Pada Tikus Putih (Rattus norvegicus) Jantan Dengan Metode LD50

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Food is one of the requirement of human being fundamental which cannot be left in everyday life. Therefore, quality of food consumed human have quality food being to best. Either from facet assess gizi and materials additional of food which intend to be packed into food during process of processing so that peaceful to be consumed. However, in this time most society or consumers less pay attention for the importance of food security for health. So that, require to be conducted development of awareness and knowledge concerning food security, among others introduced natural additive food. One of the additional materials of natural food is natural colorant that comes from rose pigment. Besides as colorant, this pigment also can function as antioxidant is which is very required by body (Holton 1995; Macdougall 2002). This research is conducted to know level of toxicities consumption security (safety food) red rose extract at white mouse as base determine peacefully of him not consumed human being. This research use Complete Random Device method with treatment in the form of dose fold giving of extract by 12 level that is 0; 5,54 mg / kg of BB / day (1 x); 110,8 mg / kg of BB / day (10 x); 221,6 mg / kg of BB / day (20 x); 332,4 mg / kg of BB / day (40 x); 443,2 mg / kg of BB / day (60 x); 554 mg / kg of BB / day (80 x); 664,8 mg / kg of BB / day (100 x); 775,6 mg / kg of BB / day (120 x); 886,4 mg / kg of BB / day (140 x); 997,2 mg / kg of BB / day (160 x); and 1.108 mg / kg of BB / day (200 x) and repeated 3 times. Giving of rose extract step by step every 1 clock once according to treatment by oral then conduct perception to mouse behavior until 24 clock (Ganiswarna, 1995). Perception result indicate that red rose extract (Rosa damascena Mill.) peaceful to be consumed (Practically non toxic) at giving dose 5,54 till 1.108 mg / kg of BB / day.