

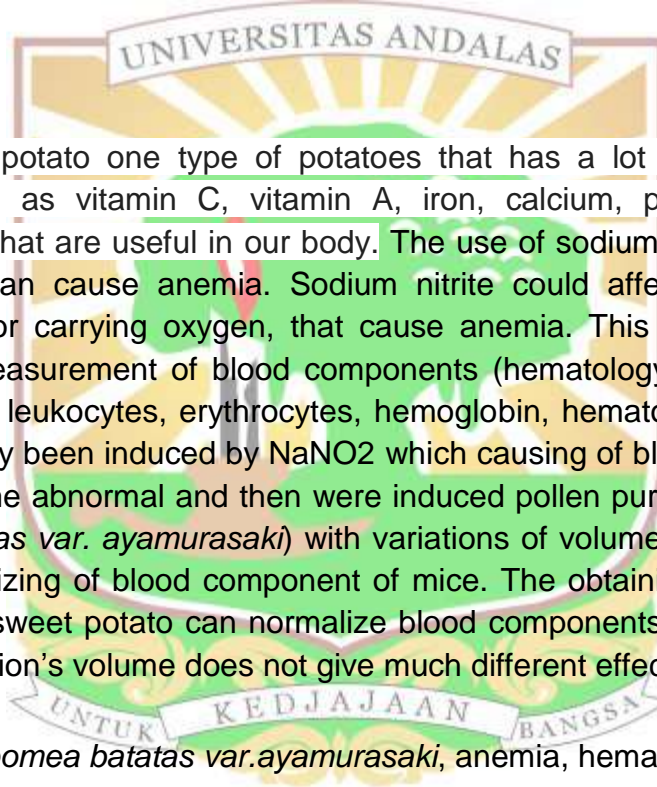
## ABSTRACT

### HEMATOLOGY EFFECTS OF PURPLE SWEET POTATO POLLEN (*Ipomea batatas* var. *Ayamurasaki*) THE WHITE MALE MICE INDUCED BY NaNO<sub>2</sub>

Oleh :

HERDINA AUGUSTA (1210413014)

Marniati Salim, M.S dan Dr. Armaini, M.S



Purple sweet potato one type of potatoes that has a lot of vitamins and minerals such as vitamin C, vitamin A, iron, calcium, phosphorus, and anthocyanins that are useful in our body. The use of sodium nitrite as a food preservative can cause anemia. Sodium nitrite could affect the ability of erythrocytes for carrying oxygen, that cause anemia. This study has been carried out measurement of blood components (hematology), especially for the number of leukocytes, erythrocytes, hemoglobin, hematocrit of mice that were previously been induced by NaNO<sub>2</sub> which causing of blood components of mice become abnormal and then were induced pollen purple sweet potato (*Ipomea batatas* var. *ayamurasaki*) with variations of volume 0,4 mL and 0.2 mL for normalizing of blood component of mice. The obtaining data showed pollen purple sweet potato can normalize blood components of mice, but for giving of variation's volume does not give much different effect.

**Keywords :** *Ipomea batatas* var. *ayamurasaki*, anemia, hematology, NaNO<sub>2</sub>