

# **ASTUDY OF SOME GENETIC PARAMETERS OF BODY WEIGHTS AND DIMENSIONS OF LOCAL AND SHAMY KID GOATS AND THERE CROSSES**

**Salih Hassan Jasim**

## **Abstract**

The study included 465 kids of Iraqi local Goats, Damascus and theirs reciprocal crosses during 2008 – 2010 At Sheep and Goats Research Station of general Disectasate for Agriculture Researches Ministry of Agriculture , to estimate genetic parameters for body weight and dimensions (heart girth, body length , height at shoulder and hip and width at shoulder and hip) at birth, weaning and 6 months of ages . under intenstive reasing program . Heritability estimates were 0.24 , 0.35 and 0.36 for body weight at birth, weaning and 6 months respectively , and the estimates for body dimensions ranged between (0.19 – 0.39) , (0.33 – 0.44) and (0.39 – 0.63) for height at hip and body length , width at shouldes and heart girth , width at hip and body length at birth , weaning and 6 months of age respectively. All values of genetic correlations between body weight and its dimension positive and significant to highly significant ranged from 0.14 – 0.44 at diffirent age stages except for the correlation between heart girth and height at hip was non significant 0.08 . Also the estimates of phenotypic correlations of the studied were all positive renged from 0.16 ( $P \leq 0.05$ ) to 0.95( $P \leq 0.01$ ) . General the estimated volues of heritability and genetic correlation increased with the advanced kids age and this indiater that the maternal effects for growth rates and body dimensions decrease gradually from birth to 6 month of age .