

## ABSTRAK

*The deficit water happen in rain abated caused the salacca pondoh produce in Sleman area. This case demand to implement research and investigation about humid conservation in salacca pondoh plant.*

*By seeing the water balance concept which in dan out system, according to Arsyad, 1989 research of water balance was shown that water conservation can be done by ways that can controll the evaporation, transpiration, and current of surface.*

*The soil moisture conservation in salacca pondoh plant was done by rorak manufacture, Bokasi distribution, and covering of land surface by Mulsa. Rorak manufacture as effort of land conservation will the water availability that more in depth of 30 cm, until 61,18%. Bokasi distribution is organic manure from seresah mixs, manure, and gran. They give influence to water availability that is highest in depth 5 cm as big as 58,34%. Covering by Mulsa in surface of land can increase the water availability reach 14%, 12%, 7% in depth 5, 15, 30 cm.*

*The influences increment of contain of land organic material was given by hokasi as big as 6,66 %, mulsa 5-6,3 % and rorak 5,59%*