

ABSTRACTION

Disease of gout arthritis or is often known as by sour disease of blood-Vessel (Uric Acid) representing an disease that happened effect of heaping of Cristal of Monosodium blood-Vessel in body redundantly, goodness effect of production whitch mounting, its dismissal pass downhill kidney, or effect of make-up rich consumption food of purin. Normalization Blood-Vessel contents boundary (Uric Acid) in someone body is 3,5-7,2 mg/dl for men and 2,6-6 mg/dl for woman.

Uric Acid pertained also as disease occupying third sequence which many in sequence disease of join after Atrosis and of RA (Rhematoid Arthritis), which that if seen from its cause is including from disparity of metabolic, if seen by often pursuant to distribution curve disease of uric acid pursuant to gender, there are 90%-95% to the number of age man above 30 year which is tend to hit by sour disease of Blood-Vessel (Uric Acid) and the rest only 5% happened at women circle.

In the world of docter, specially at clinic pathology instalation to the number of usage of medical instrumentation which still use manualisasi system in inspection of klinik laboratory, so that by tread on form matter above hence writer try to make appliance of laboratorial in the form of Blood-Vessel acid contents measuring instrument in blood, where used method tread on at accuracy and efficiency of inspection result and form, writer use IC Microcontoler AT89S51 for controlle all system of appliance of mention.

From result of comparison and measurement in Big Hall of laboratory Health of Surabaya in earning the percentage of storey, level mistake of the appliance equal to 3,3% for the appliance of II. Seen from dater above in earning the make-up of value accurancy of appliance to previous and appliance of II equal to 2%.