ABSTRACT: Colloid system is a mixture form which its located nya among/between suspense and condensation (harsh mixture). Name of colloid given by Thomas Graham in the year 1861. That term Come from yunani Ianguage, that is "Kolla" and "Oid". Kolla Mean glue while Oid like. In this case related to glue is the nature of its diffusion, because colloid system have low dipusi value like glue because its bigger fairish particle than molecule, that is maximum 1 micrometer. Flash Macromedia is animation object creator application which is powerful. Added with making of graphical object vektor which consist in it, pemproograman Actionscript. such Animassi that is from atom particle motion and molecule which do not look with indra pentameter, generalizing cannot from perception, have to earn generalizing with theory. Result learn is ability student in knowledge aspect, understanding of, application, analysis, sintesis, and evaluation at colloid system items where this ability is obtained to media study flash macromedia. ability at student in the aspect expressed in tes score result of learning. Retention result of learning is ability student remember items which have been taught by teacher at spanning certain time. Retention result of learning student is in this case expressed in retention tes score result of learning. This research aim to Know result learn for the items of taught colloid system by using higher flash macromedia from which is taught without using flash macromedia and to know retention result of learning for the items of taught colloid system by using higher flash macromedia from which is taught without using flash macromedia. This research represent research eksperimental with used pelitian device this research post test design group controle only with XI IPA SMA Country I class student population Live as an ascetic school year 2008 / 2009. Research Sampel divided two class with the each experiment class by using flash macromedia and class control without using flash macromedia with amount of same student that is 21 people. used instrument in the form of objeksif tes. Before tes used to net data, beforehand analyze indicator of quality of tes that is executed by reliabilitas and validity in SMA Country 4 Gorontalo. Validity Tes obtained 100% and reliabilitas equal to 0,69. Result of research obtained a) tes result of learning experiment class by using higher obtained score flash macromedia that is = 76,87 compared to tes dennga result of learning at class control without using flash macromedia with obtained score = 68,54 in hypothesis test concluded that in signifikan level 0,01 with dk = 40 in the reality diperolen assess $t_{hitung} = 3,93 > t_{table} (0,995)(20) = 2,84$ and $H_0$ [in] refusing so that can be expressed that result learn natural student at study by using flash macromedia by signifikan compared to better at natural student at study without using macromedia b) retention tes result of learning experiment class by using higher obtained score flash macromedia that is = - 29,08 compared to tes dennga result of learning at class control without using flash macromedia with obtained score = - 30,10 in hypothesis test concluded that in signifikan level 0,01 with dk = 40 in the reality diperolen assess $t_{hitung} = 0,34 < t_{table} (0,995)(20) = 2,84$ and $H_0$ [in] accepting so that can be expressed that result learn natural student at study by using flash macromedia by signifikan compared to better at natural student at study without using macromedia from hopotesis test at retention tes result of learning to be categorized by there is relation/link in study by using flash macromedia.
Keyword: System Colloid, Macromedia Flash, Result of Learning, Retention result of Learning