

Ratchaneekorn Klinhomhual 2009: The Guide Line of Authentic Assessment in Mathematics for Grade 5 at Kantawan School. Master of Education (Educational Research and Evaluation), Major Field: Educational Research and Evaluation, Department of Education. Thesis Advisor: Mr. Pramote Boonyasiri, Ph.D. 168 pages.

The purpose of this research were 1) to study a science authentic assessment guide line and 2) to study an authentic assessment in students' learning outcome: knowledge, Mathematics learning process and desired characteristics. The contents were quadrilateral in grade 5. The target population were 40 students in grade 5 at Kantawan School during second semester of the academic year 2009. The action research was applied in this study. The Mathematics authentic assessment guide line as follow: 1) setting up expected learning results, 2) choosing the scope of evaluation, 3) selecting evaluators in charge, 4) employing appropriate methods and tools, 5) specifying time and place of evaluation, 6) analyzing data, 7) setting up a criteria, 8) exploiting lesson plan and 9) applying the assessment result to develop students' learning outcome.

The research result revealed that the Authentic Assessment could enhance grade 5 students' learning outcome: knowledge, Mathematics learning process and desired characteristics as well.

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