Melisa Pasaribu, 4191111059 (2023). Analisis Kemampuan Pemahaman Konsep Matematis Siswa Ditinjau dari Gaya Belajar Siswa Kelas VIII SMPN 29 Medan Melalui Model Pembelajaran Kooperatif Tipe STAD.

ABSTRAK

Tujuan penelitian ini adalah untuk memperoleh deskripsi kemampuan dan kesulitan pemahaman konsep matematis siswa kelas VIII berdasarkan gaya belajar VAK melalui Model Pembelajaran Kooperatif Tipe STAD. Penelitian ini merupakan penelitian kualitatif. Subjek penelitian ini adalah siswa kelas VIII-1 SMP Negeri 29 Medan. Teknik pengumpulan data yang digunakan adalah angket, tes, wawancara dan dokumentasi. Seluruh siswa kelas VIII-1 diidentifikasi gaya belajarnya menggunakan angket gaya belajar. Data hasil tes dan data hasil wawancara dianalisis untuk mendeskripsikan kemampuan dan kesulitan pemahaman konsep matematis siswa. Wawancara dilakukan terhadap 6 orang siswa yang terdiri dari 2 siswa dari setiap gaya belajar. Hasil penelitian ini adalah : Siswa dari ketiga gaya belajar cenderung dapat melaksanakan indikator kemampuan pemahaman konsep. Kecuali mengklasifikasikan objek berupa pola bilangan pada gaya belajar visual auditorial. Siswa visual mampu memenuhi indikator menerapkan hubungan antara konsep dan prosedur. Tetapi mengalami kesulitan dalam menyatakan kembali konsep dan menyajikan konsep dalam representasi berupa narasi (menggunakan unsur verbal). Siswa auditorial mampu memenuhi indikator menyatakan kembali konsep dan menyajikan konsep dalam representasi berupa narasi. Tetapi mengalami kesulitan dalam menerapkan hubungan antara konsep dan prosedur di luar dari konsep yang biasa mereka temukan, diikuti dengan indikator menerapkan konsep secara algoritma juga melaksanakan perhitungan secara tepat. Siswa kinestetik mampu memenuhi indikator menerapkan hubungan antara konsep dan prosedur diikuti dengan indikator menerapkan konsep secara algoritma. Diikuti dengan mengklasifikasi objek sesuai konsepnya. Tetapi mengalami kesulitan dalam indikator indikator yang menggunakan unsur verbal.

Kata Kunci: *Pemahaman Konsep Matematis, Model Kooperatif Tipe STAD, Gaya belajar.*

Melisa Pasaribu, 4191111059 (2023). Analysis Of Students' Ability to Understand Mathematical Concepts in Terms of the Learning Styles of Class VIII Students at SMPN 29 Medan Through the STAD Type Cooperative Learning Model.

ABSTRACT

The aim of this research is to obtain a description of the abilities and difficulties in understanding mathematical concepts of class VIII students based on the VAK learning style through the STAD Type Cooperative Learning Model. This research is a qualitative research. The subjects of this research were students in class VIII-1 of SMP Negeri 29 Medan. The data collection techniques used were questionnaires, tests, interviews and documentation. All students in class VIII-1 had their learning styles identified using a learning style questionnaire. Test result data and interview data were analyzed to describe students' abilities and difficulties in understanding mathematical concepts. Interviews were conducted with 6 students consisting of 2 students from each learning style. The results of this research are: Students from the three learning styles tend to be able to carry out indicators of concept understanding ability. Except for classifying objects in the form of number patterns in the visual auditory learning style. Visual students are able to fulfill indicators of applying the relationship between concepts and procedures. But they experience difficulties in restating concepts and presenting concepts in representations in the form of narratives (using verbal elements). Auditory students are able to fulfill the indicators of restating concepts and presenting concepts in representations in the form of narratives. But they experience difficulties in applying the relationship between concepts and procedures outside of the concepts they usually encounter, followed by indicators of applying concepts algorithmically as well as carrying out calculations correctly. Kinesthetic students are able to fulfill the indicators of applying the relationship between concepts and procedures followed by the indicators of applying concepts algorithmically. Followed by classifying objects according to their concepts. But they experience difficulties in indicators that use verbal elements.

Keywords : *Understanding Mathematical Concepts, STAD Type Cooperative Model, Learning Style*