

## **ABSTRACT**

*This research focuses on the application of the guided inquiry learning model in the context of material on the structure and function of plant tissues. The results of interviews and observations show the limited use of students' metacognitive skills. And low metacognitive skills are also associated with below average learning outcomes. The aim of this research is to determine the effect of the guided inquiry learning model on the metacognitive skills of class VIII students on the structure and function of plants. The method used in this research is Pre-Experimental in the form of One-Group Pretest-posttest. The sampling technique used a saturated sample with a sample size of 19 students. The research results showed that the posttest metacognitive skills were higher than the pretest, the N-gain result was 0,59 and based on data analysis, the Asymp value was obtained,  $\text{sig} < ,.5$ , namely 0,00. This means that HI is accepted. This shows that there is an influence of the guided inquiry learning model. The conclusion is that there is an influence of the guided inquiry learning model on metacognitive skills regarding plant structure and function.*

**Key words:** *guided inquiry, material on the structure and function of plant tissue, metacognitive skills,*

## ABSTRAK

Tujuan dari penelitian ini, yaitu untuk mengetahui pengaruh model pembelajaran inkuiri terbimbing (*guided inquiry*) terhadap keterampilan metakognitif peserta didik kelas VIII pada materi struktur dan fungsi tumbuhan. Metode yang digunakan dalam penelitian ini adalah Pre-Experimental dengan bentuk *One-Group Pretest-posttest*. Teknik pengambilan sampel menggunakan sampel jenuh dengan jumlah sampel 19 orang peserta didik. Hasil penelitian diperoleh keterampilan metakognitif posstest lebih tinggi dibanding pretest, hasil N-gain 0,59 dan berdasarkan analisis data diperoleh hasil nilai Asymp, sig < 0,5 yaitu 0,00. Artinya bahwa HI diterima. kesimpulan terdapat pengaruh model pembelajaran inkuiri terbimbing (*guided inquiry*) terhadap keterampilan metakognitif materi struktur dan fungsi tumbuhan.

***Kata kunci:*** *inkuiri terbimbing, keterampilan metakognitif, materi struktur dan fungsi jaringan tumbuhan*