

## ABSTRAK

Penelitian yang berjudul ‘‘Pengembangan Tes Tertulis *Two-tier Multiple Choice* pada Materi Pokok Organisasi kehidupan’’ bertujuan mengembangkan perangkat tes tertulis yang mengadaptasi karakteristik bentuk soal *two-tier multiple choice* yang dikembangkan oleh Tan (2005), namun standar isi dan materinya masih mengacu pada kurikulum KTSP. Perangkat tes tertulis yang dikembangkan terdiri dari 40 butir soal. Metode deskriptif digunakan karena mendeskripsikan hasil pengembangan tes tertulis *two-tier multiple choice* dari dua kali uji coba. Kemudian mendeskripsikan pula kategori pemahaman siswa terhadap materi pokok Organisasi Kehidupan berdasarkan pola jawaban tes tertulis *two-tier multiple choice*. Hasil penelitian menunjukkan bahwa tes tertulis *two-tier multiple choice* yang dikembangkan memenuhi kriteria validitas, reliabilitas, taraf kesukaran, daya pembeda, dan efektivitas pengecoh. Selain itu, berdasarkan respon siswa, soal *two-tier multiple choice* yang dikembangkan dianggap sulit namun menantang dan menarik karena lebih variatif serta hal baru bagi mereka bila dibandingkan dengan soal-soal IPA Biologi yang biasa diberikan guru. Hasil penelitian ini diharapkan menjadi perspektif baru tentang evaluasi pembelajaran IPA Biologi dan panduan guru untuk menggunakan serta mengembangkan sendiri evaluasi serupa.

**Kata kunci:** *Two-tier Multiple Choice*, Organisasi Kehidupan, Kualitas Soal

## ABSTRACT

Research entitled "Development Two-tier Multiple Choice Written Test on Organization of Life" aimed to develop written test set which adapted from characteristic of Two-tier Multiple Choice Written Test which developed by Tan (2005), but the Content Standard and the matter still refer to KTSP curriculum. Written test set consists of 40 items. Descriptive's method used to describe the result of development two-tier multiple choice written test after testing twice. Then, to describe the categories of student's understanding about the matter Organization of Life building on student's pattern of answered the two-tier multiple choice written test. The result of research shows that two-tier multiple choice written test up to standard of validity, reliability, difficulty level, discriminating level, and distractor efectivity. Besides, according to student's responses, they said that two-tier multiple choice written test is difficult but more challenging and has more variation than usual Biology's items evaluation. The result of this research hopefully can give new perspective in Biology's evaluation and can guide teachers to use and to develop the same evaluation by themselves.

**Keyword:** *Two-tier Multiple Choice*, Organization of Life, Test Quality