

## ABSTRACT

*This research aimed to produce students worksheets (LKS) With Indonesian Realistic Mathematic approach that has fulfilled valid and practical criteria to help students understand the linear equations of two variables. This type of research was development research conducted in accordance with the flow of design formative evaluation development Tesmmer, which include self evaluation, expert review, one to one, small group, and field test. The collection of research data used poll sheets, interviews, post test questions and LKS. The subject of this study has a grade VIII student at MTs Islamiyah Bumi Agung. Through the stage of Tessmer, the conclusion that this Indonesian Realistic Mathematic approach based LKS meets valid criteria based on comments and suggestions provided and have considered valid by media experts and experts, practical based on the results of comments and suggestions from the poll, interviews on the one to one, small group, and field test, as well as students understand the material linear equations of two variables based on the results of post test on the small group and field test.*

*Keywords: development, indonesian realistic mathematic, linear equations of two variables, Tessmer.*

## ABSTRAK

Penelitian ini bertujuan untuk menghasilkan Lembar Kerja Siswa (LKS) dengan pendekatan matematika realistik indonesia yang telah memenuhi kriteria valid dan praktis untuk membantu siswa memahami persamaan linier dua variabel. Jenis penelitian ini adalah penelitian pengembangan yang dilaksanakan sesuai alur desain pengembangan *formative evaluation* Tesmmer, yang meliputi tahap *self evaluation*, *expert review*, *one to one*, *small group*, dan *field test*. Pengumpulan data penelitian ini menggunakan lembar angket, wawancara, soal *post test* dan LKS. Subjek penelitian ini adalah siswa kelas VIII MTs Islamiyah Bumi Agung. Melalui tahapan Tessmer diperoleh kesimpulan bahwa LKS berbasis pendekatan matematika realistik indonesia ini memenuhi kriteria valid berdasarkan komentar dan saran yang diberikan dan dinyatakan valid oleh ahli media dan ahli materi, praktis berdasarkan hasil komentar dan saran siswa dari lembar angket, wawancara pada tahap *one to one*, *small group*, dan *field test*.

**Kata Kunci :** Pengembangan, Pendekatan Matematika Realistik Indonesia, Persamaan Linier Dua Variabel, Tessmer.