

ABSTRAK

Ambarawati, Dewa Ayu (2026). *Pengembangan Buku Cerita Bergambar Berkearifan Lokal Bali Berbantuan Asesmen Interaktif untuk Meningkatkan Literasi Sains Siswa Kelas III Sekolah Dasar*. Tesis, Pendidikan Dasar, Program Pascasarjana, Universitas Pendidikan Ganesha.

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Kata kunci: Buku Cerita Bergambar, Kearifan Lokal Bali, Asesmen Interaktif, Literasi Sains

Penelitian ini bertujuan untuk mengembangkan buku cerita bergambar berkearifan lokal Bali berbantuan asesmen interaktif serta mengetahui tingkat validitas, kepraktisan, dan efektivitas media dalam meningkatkan literasi sains siswa kelas III sekolah dasar. Penelitian ini merupakan penelitian pengembangan yang menggunakan model ADDIE, yang meliputi tahap analisis, desain, pengembangan, implementasi, dan evaluasi. Data dikumpulkan melalui metode angket dan tes. Instrumen penelitian meliputi lembar validasi ahli, angket kepraktisan guru dan siswa, serta tes literasi sains. Data dianalisis menggunakan analisis deskriptif kuantitatif untuk mengetahui tingkat validitas dan kepraktisan, sedangkan uji efektivitas menggunakan desain *one-group pretest-posttest* dengan analisis uji *t* berpasangan (*paired sample t-test*) dan perhitungan *effect size*. Hasil penelitian menunjukkan bahwa buku cerita bergambar berkearifan lokal Bali berbantuan asesmen interaktif dinyatakan sangat valid, dengan persentase penilaian ahli media sebesar 95,5% dan ahli materi sebesar 95% yang berada pada kualifikasi sangat baik. Hasil uji kepraktisan menunjukkan bahwa media berada pada kualifikasi sangat praktis, dengan persentase respons guru sebesar 98% dan respons siswa sebesar 98%. Uji efektivitas menunjukkan adanya peningkatan literasi sains siswa secara signifikan, yang ditunjukkan oleh hasil uji *t* berpasangan dengan nilai signifikansi (*2-tailed*) 0,001 ($< 0,05$) serta nilai *effect size* sebesar 9,65 dengan kategori besar. Dengan demikian, dapat disimpulkan bahwa buku cerita bergambar berkearifan lokal Bali berbantuan asesmen interaktif valid, praktis, dan efektif digunakan untuk meningkatkan literasi sains siswa kelas III sekolah dasar.

ABSTRACT

Ambarawati, Dewa Ayu (2026). *Development of a Balinese Local Wisdom–Based Picture Storybook Assisted by Interactive Assessment to Improve Science Literacy of Third Grade Elementary School Students*. Thesis, Primary Education, Postgraduate Program, Universitas Pendidikan Ganesha.

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Keywords: picture storybook, Balinese local wisdom, interactive assessment, scientific literacy

This study aimed to develop a picture storybook based on Balinese local wisdom assisted by interactive assessment and to determine its validity, practicality, and effectiveness in improving the scientific literacy of third-grade elementary school students. This study employed a research and development approach using the ADDIE model, which consists of the analysis, design, development, implementation, and evaluation stages. Data were collected through questionnaires and tests. The research instruments included expert validation sheets, practicality questionnaires for teachers and students, and a scientific literacy test. Data were analyzed using descriptive quantitative analysis to determine validity and practicality, while effectiveness was examined using a one-group pretest–posttest design with paired sample *t*-test analysis and effect size calculation. The results showed that the developed picture storybook based on Balinese local wisdom assisted by interactive assessment was categorized as highly valid, with validation percentages of 95,5% from media experts and 95% from subject-matter experts, both of which fall into the very good category. The practicality test results indicated that the media was categorized as very practical, with response percentages of 98% from teachers and 98% from students. The effectiveness test revealed a significant improvement in students' scientific literacy, as indicated by the paired sample *t*-test results with a significance value (*2-tailed*) 0,001 ($< 0,05$) and an effect size value of 9.65, which is categorized as large. Therefore, it can be concluded that the picture storybook based on Balinese local wisdom assisted by interactive assessment is valid, practical, and effective for improving the scientific literacy of third-grade elementary school students.