

**DASHBOARD MONITORING PERKEMBANGAN ALUMNI
MENGUNAKAN *BUSINESS INTELLIGENCE* PADA
SISTEM TRACER STUDY UNDIKSHA**

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ABSTRAK

Universitas Pendidikan Ganesha mengembangkan sistem survei evaluasi diri berupa sistem informasi *tracer study* untuk menelusuri riwayat lulusan pada semua program studi dan semua jenjang yang telah diluluskan. Saat ini, sistem *tracer study* dikelola oleh UPT PKK M Undiksha di bagian Divisi Tracer Study. Tujuan penelitian ini adalah untuk dapat menyampaikan informasi hasil kuesioner lulusan pada sistem *tracer study* Undiksha menggunakan teknologi *business intelligence* yang dapat memberikan varian visualisasi data secara ringkas, mudah dipahami dan lebih menarik ke dalam bentuk *dashboard monitoring*. Penelitian ini menggunakan metode *BI Roadmap* dan Microsoft Power BI Desktop sebagai proses pengembangan *dashboard monitoring* dan alat pengembangannya. Pengujian sistem ini menggunakan metode *User Acceptance Testing* (UAT) jenis *Black Box Testing* yang dilakukan melalui interaksi langsung dengan sistem. Data yang digunakan adalah hasil kuesioner lulusan pada tahun 2019-2021. Penelitian ini menghasilkan *dashboard monitoring* perkembangan alumni yang menyajikan grafik informasi detail hasil kuesioner lulusan pada sistem *tracer study* Undiksha. Penelitian ini menjadikan Ketua Divisi Tracer Study, Koordinator Program Studi Pendidikan Teknik Informatika, Wakil Rektor Bidang Akademik dan Kerjasama serta Wakil Rektor Bidang Kemahasiswaan, Hubungan Masyarakat dan Alumni sebagai penguji sistem ini. Hasil pengujian sistem ini adalah *dashboard monitoring* perkembangan alumni dapat berjalan dengan baik dan menyajikan informasi *tracer study* yang dibutuhkan oleh pengguna.

Kata kunci : *Tracer Study, Business Intelligence, BI Roadmap, User Acceptance Testing* (UAT)

**DASHBOARD MONITORING OF ALUMNI DEVELOPMENT USING
BUSINESS INTELLIGENCE IN
UNDIKSHA TRACER STUDY SYSTEM**

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ABSTRACT

Ganesha University of Education developed a self-evaluation survey system in the form of a tracer study information system to trace the history of graduates in all study programs and all levels that have been graduated. Currently, the tracer study system is managed by UPT PKKM Undiksha in the Tracer Study Division. The purpose of this study is to be able to convey information on the results of graduate questionnaires on the Undiksha tracer study system using business intelligence technology which can provide a variant of data visualization in a concise, easy to understand and more attractive manner in the form of a monitoring dashboard. This study uses the BI Roadmap and Microsoft Power BI Desktop methods as the development process for monitoring dashboards and development tools. Testing this system uses the User Acceptance Testing (UAT) method of the Black Box Testing type which is carried out through direct interaction with the system. The data used is the results of a graduate questionnaire in 2019-2021. This research produced a monitoring dashboard for alumni development which presents detailed information graphics on the results of graduate questionnaires on the Undiksha tracer study system. This research made the Head of the Tracer Study Division, the Coordinator of the Informatics Engineering Education Study Program, the Deputy Chancellor for Academic and Cooperation Affairs and the Deputy Chancellor for Student Affairs, Public Relations and Alumni as testers of this system. The results of testing this system are that the dashboard for monitoring alumni development can run properly and present tracer study information needed by users.

Keywords : *Tracer Study, Business Intelligence, BI Roadmap, User Acceptance Testing (UAT)*