

**AUTOMATED CAREER GUIDANCE SYSTEM FOR  
UNDERGRADUATED STUDENT**



**FINAL PROJECT**

**Prepared to Meet Requirements to Complete Research  
Diploma IV Majoring Informatics Management  
Sriwijaya State Polytechnic**

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PALEMBANG  
2023**



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN,  
RISET, DAN TEKNOLOGI

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*MOTTO*

*“All our dreams can come true, if we have the courage to  
pursue them”*  
**[Walt Disney]**

*“Indeed, after hardship there is ease”*  
**[Q.S. Al-Insyirah: 6]**

*“You can make mistakes, but don't tarnish trust”*  
**[Muhammad Ridzky Adjanka]**

- Dedicated to:
- ❖ Both Beloved Parents
  - ❖ Alma Mater
  - ❖ Supervisor
  - ❖ 8 MIG Classmates

## ***ABSTRAK***

Pengembangan sistem panduan karier berbasis website bertujuan untuk membantu mahasiswa sarjana dalam menjelajahi berbagai pilihan karier. Sistem ini dirancang untuk memberikan informasi kepada mahasiswa tentang beragam jalur karier, persyaratan pendidikan, dan perkembangan terbaru di pasar kerja. Tujuannya adalah untuk menghasilkan prediksi minat berdasarkan penilaian online yang dilakukan oleh mahasiswa. Dengan memanfaatkan data dari penilaian online ini, sistem menganalisis minat mahasiswa di berbagai bidang karier. Dengan menggunakan teknik kecerdasan buatan dan pembelajaran mesin, sistem menghasilkan prediksi yang personal dan relevan mengenai minat mahasiswa dalam berbagai sektor pekerjaan. Integrasi dari tujuan-tujuan ini dalam sistem diharapkan dapat memberikan panduan karier yang efektif, memungkinkan mahasiswa untuk menjelajahi pilihan karier, mendapatkan prediksi minat yang akurat, dan tetap mendapatkan informasi tentang perusahaan-perusahaan yang sedang aktif melakukan perekrutan.

**Kata Kunci:** Sistem panduan karier, Website eksplorasi karier, Mahasiswa sarjana, Jalur karier beragam, Prediksi minat, Penilaian online, Kecerdasan buatan.

## **ABSTRACT**

*The development of a website-based career guidance system aimed at assisting undergraduate students in exploring various career options. The system is designed to provide students with information about diverse career paths, educational requirements, and the latest developments in the job market. It aims to generate interest predictions based on online assessments conducted by students. By utilizing data from these online assessments, the system analyzes students' interests across different career fields. Employing artificial intelligence and machine learning techniques, the system generates personalized and relevant predictions regarding students' interests in various job sectors. The integration of these objectives in the system is expected to provide effective career guidance, enabling students to explore career options, obtain accurate interest predictions, and stay informed about companies that are actively hiring.*

**Keyword:** *Career guidance system, Website based career exploration, Undergraduate students, Diverse career paths, Educational requirements, Interest predictions.*

## ***FOREWORD***

The author expresses profound gratitude to the presence of Allah SWT, whose grace and blessings have enabled the successful and timely completion of this Final Project titled "Automated Career Guidance System For Undergraduated Student." The author sends blessings and peace upon Prophet Muhammad SAW, as well as his companions and family, who have provided exemplary guidance and inspiration to the author during the course of this study, in the hope of seeking their intercession in future endeavors.

The author extends heartfelt gratitude to all those who contributed to the implementation and preparation of this Final Project Report, including:

1. Dr. Ing. Ahmad Taqwa, M.T. as president of State Polytechnic of Sriwijaya Palembang.
2. Carlos R.S, S.T., M.T. as vice president I of State Polytechnic of Sriwijaya Palembang.
3. Nelly Masnila, S.E., M.Si., Ak. as vice president II of State Polytechnic of Sriwijaya Palembang.
4. Ahmad Zamheri, S.T., M.T. as vice president III of State Polytechnic of Sriwijaya Palembang.
5. Drs. Zakaria, M.Pd. as vice president IV of State Polytechnic of Sriwijaya Palembang.
6. Dr. Indri Ariyanti, S.E., M.Si. as head of Informatics Management major in State Polytechnic of Sriwijaya Palembang and my supervisor for this final project.
7. Meivi Kusnandar, S.Kom., M.Kom. as secretary of Informatics Management major in State Polytechnic of Sriwijaya Palembang.
8. Rika Sadariawati, S.E., M.Si. as head of Diploma IV program in Informatics Management in State Polytechnic of Sriwijaya Palembang.
9. All the lecturer, staff, administration and officer in Informatics Management of State Polytechnic of Sriwijaya Palembang.
10. Both of my parents who always give me endless support throughout my academic years.

11. I extend my gratitude to my beloved Yuni Sabrina Andiani for her unwavering support and encouragement.
12. All of my friends in Informatics Management major, especially 8MIG fellow friends.
13. All parties who have helped in completing this Final Project report.

In writing this final project report, the author feels far from perfect, due to the limitations of the abilities and knowledge that the author possesses. Therefore, all constructive criticisms and suggestions are highly welcome by the author as improvements for the future. May Allah SWT reward the kindness and sincerity of all parties who have assisted me in completing this Final Project by bestowing His Blessings and Grace.

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