

## ABSTRAK

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Judul Laporan Skripsi : Sistem Rekomendasi Pendakian Gunung  
Cikuray Dengan Algoritma Collaborative  
Filtering Dan Metode Saw (Simple Additive  
Weighting)  
Pembimbing : Wawan Gunawan., S.Kom., MT

Pendakian gunung merupakan kegiatan populer di kalangan pecinta alam dan petualang. Dalam menghadapi berbagai tantangan dan kebutuhan individu pendaki, sistem rekomendasi menjadi penting untuk memberikan panduan yang personal dan sesuai. Penelitian ini mengusulkan pengembangan Sistem Rekomendasi Pendakian Gunung Cikuray dengan mengintegrasikan algoritma *Collaborative Filtering* dan metode *Simple Additive Weighting* (SAW). Algoritma Collaborative Filtering digunakan untuk menganalisis preferensi dan pengalaman pendaki lain, sedangkan metode SAW digunakan untuk memberikan penilaian bobot pada setiap kriteria yang diukur. Integrasi kedua pendekatan ini diharapkan dapat memberikan rekomendasi pendakian yang lebih akurat dan personal, meningkatkan kepuasan pengguna, dan meminimalkan risiko selama pendakian. Penelitian ini berfokus pada Gunung Cikuray sebagai studi kasus, dengan harapan hasilnya dapat diterapkan pada destinasi pendakian lainnya.

**Kata Kunci :** *Sistem Rekomendasi, Pendakian Gunung, Collaborative Filtering, Simple Additive Weighting, Integrasi Algoritma*

## **ABSTRACT**

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*Research Proposal Title* : *Sistem Rekomendasi Pendakian Gunung  
Cikuray Dengan Algoritma Collaborative  
Filtering Dan Metode Saw (Simple Additive  
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*Mountain climbing is a popular activity among nature enthusiasts and adventurers. In facing various challenges and individual needs of climbers, a recommendation system becomes crucial to provide personalized and relevant guidance. This research proposes the development of a Mountain Climbing Recommendation System for Mount Cikuray by integrating Collaborative Filtering algorithms and the Simple Additive Weighting (SAW) method. The Collaborative Filtering algorithm is utilized to analyze the preferences and experiences of other climbers, while the SAW method is employed to assign weight ratings to each measured criterion. The integration of these two approaches is expected to deliver more accurate and personalized climbing recommendations, enhance user satisfaction, and minimize risks during climbing activities. This study focuses on Mount Cikuray as a case study, with the anticipation that the findings can be applied to other climbing destinations.*

***Keywords : Recommendation System, Mountain Climbing, Collaborative Filtering, Simple Additive Weighting, Algorithm Integration***