

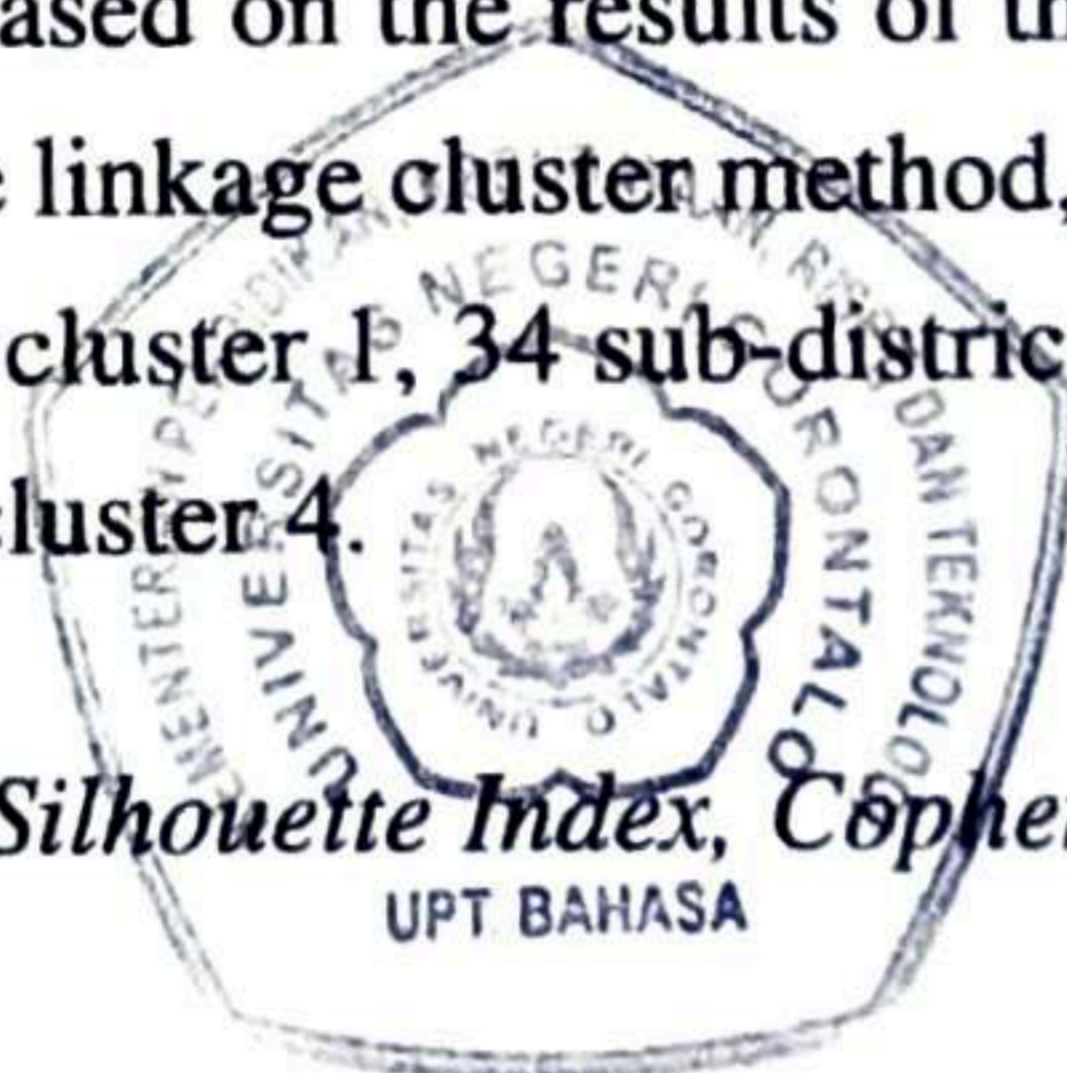
ABSTRACT

DWI MEILAND ALIU, 2023. THE COMPLETE LINK-AGE CLUSTERING METHOD UTILIZATION IN GROUPING CORN PRODUCTION IN GORONTALO PROVINCE THROUGH TWO VALIDITY TESTS . Undergraduate Thesis. Gorontalo. STATISTICS STUDY PROGRAM. DEPARTMENT OF MATHEMATICS. FACULTY OF MATHEMATICS AND NATURAL SCIENCES. UNIVERSITAS NEGERI GORONTALO.

The Principal Supervisor is **Isran K. Hasan, S.Pd., M.Si.**, and the Co-Supervisor is **Agusyarif Rezka Nuha, S.Pd., M.Pd.**

This study implements the complete linkage clustering method with two validity tests: Silhouette Index and Cophenetic Coefficient. The data were from corn production in Gorontalo Province in 2019. Based on the results of the corn production grouping in Gorontalo through the complete linkage cluster method, the results of grouping consist of 4 clusters : 6 sub-districts in cluster 1, 34 sub-districts in cluster 2, 2 sub-districts in cluster 3, and 2 sub-districts in cluster 4.

Keywords: *Complete Linkage, Silhouette Index, Cophenetic Coefficient*



LEMBAR PENGESAHAN

Skripsi yang berjudul "PENGUNAAN METODE *COMPLETE LINKAGE CLUSTERING* UNTUK MENGELOMPOKAN PRODUKSI JAGUNG DI PROVINSI GORONTALO MENGGUNAKAN DUA UJI VALIDITAS "

Oleh

DWI MEILAND ALIU

NIM. 413416028

PROGRAM STUDI STATISTIKA

FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM

Telah dipertahankan di depan dewan penguji

Hari, tanggal : Jumat, 16 Juni 2023

Waktu : 15.20-17.20 WITA

Tempat : Ruang Sidang Statistika

Dewan Penguji

1. **Isran K. Hasan, S.Pd., M.Si.** Penguji Utama
NIP. 19901211 201903 1 009
2. **Agusyarif Rezka Nuha, S.Pd., M.Pd.** Anggota
NIP. 19930810 200903 1 009
3. **Djihad Wungguli, S.Pd., M.Si.** Anggota
NIP. 19890612 201903 1 018
4. **La Ode Nashar, S.Pd., M.Sc.** Anggota
NIP. 19910715 202012 1 010
5. **Setia Ningsih, S.Pd., M.Si.** Anggota
NIP. 19910128 202203 2 008

Tanda Tangan

(.....)

(.....)

(.....)

(.....)

(.....)

Mengetahui,

Dekan Fakultas Matematika dan IPA



Prof. Dr. Astin Lukum, M.Pd.

NIP.19630327 198803 2 002