

DAFTAR ISI

PERNYATAAN.....	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
ABSTRAK	Error! Bookmark not defined.
ABSTRACT.....	Error! Bookmark not defined.
DAFTAR ISI.....	i
DAFTAR TABEL.....	iv
DAFTAR GAMBAR	vi
BAB I PENDAHULUAN.....	Error! Bookmark not defined.
1.1 Latar Belakang	Error! Bookmark not defined.
1.2 Rumusan Masalah	Error! Bookmark not defined.
1.3 Batasan Masalah.....	Error! Bookmark not defined.
1.4 Tujuan Penelitian.....	Error! Bookmark not defined.
1.5 Manfaat Penelitian.....	Error! Bookmark not defined.
1.6 Sistematika	Error! Bookmark not defined.
BAB II KAJIAN PUSTAKA.....	Error! Bookmark not defined.
2.1 Pelabuhan	Error! Bookmark not defined.
2.1.1 Definisi Pelabuhan	Error! Bookmark not defined.
2.1.2 Klasifikasi Pelabuhan.....	Error! Bookmark not defined.
2.1.3 Penilaian Kinerja Pelabuhan	Error! Bookmark not defined.
2.2 Data Mining.....	Error! Bookmark not defined.
2.2.1 Definisi Data Mining.....	Error! Bookmark not defined.
2.3 Wilayah Pengelolaan Perikanan (WIPP).....	Error! Bookmark not defined.

2.4	Pusat Informasi Pelabuhan Perikanan (PIPP)	Error! Bookmark not defined.
2.3.1.	Data Mentah PIPP	Error! Bookmark not defined.
2.5	<i>Clustering</i>	Error! Bookmark not defined.
2.6	<i>K-Means Clustering</i>	Error! Bookmark not defined.
2.4.1	Kelebihan dan Kekurangan <i>K-Means</i>	Error! Bookmark not defined.
2.5	<i>Fuzzy C-Means</i> (FCM)	Error! Bookmark not defined.
2.6	Implementasi Perhitungan <i>K-Means</i> dan <i>Fuzzy C-Means</i> Terhadap Data Pelabuhan	Error! Bookmark not defined.
BAB III METODOLOGI PENELITIAN		Error! Bookmark not defined.
3.1	Desain Penelitian	Error! Bookmark not defined.
3.2	Metode Penelitian	Error! Bookmark not defined.
5.2.1.	Metode Pengumpulan Data	Error! Bookmark not defined.
5.2.2.	Proses Pengembangan Perangkat Lunak	Error! Bookmark not defined.
3.3	Alat dan Bahan Penelitian	Error! Bookmark not defined.
BAB IV HASIL PENELITIAN DAN PEMBAHASAN		Error! Bookmark not defined.
4.1	Proses Pengembangan Perangkat Lunak	Error! Bookmark not defined.
4.1.1	Deskripsi Sistem	Error! Bookmark not defined.
4.1.2	Batasan Perangkat Lunak	Error! Bookmark not defined.
4.1.3	Analisis Kebutuhan	Error! Bookmark not defined.
4.1.4	Perancangan Perangkat Lunak	Error! Bookmark not defined.
4.1.4.1	Perancangan Antar Muka Perangkat Lunak	Error! Bookmark not defined.

4.1.4.2	Rancangan Tahapan Proses <i>Processing Data</i>	Error! Bookmark not defined.
4.1.4.3	Rancangan Tahapan Proses Pengelompokan Kinerja Pelabuhan ..	Error! Bookmark not defined.
4.2	Implementasi	Error! Bookmark not defined.
4.2.1	<i>Processing Data</i>	Error! Bookmark not defined.
4.2.2	Pengelompokan Kinerja Pelabuhan Perikanan	Error! Bookmark not defined.
4.3	Pengujian	Error! Bookmark not defined.
BAB V	Error! Bookmark not defined.
KESIMPULAN DAN SARAN	Error! Bookmark not defined.
5.1	Kesimpulan.....	Error! Bookmark not defined.
5.2	Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA	Error! Bookmark not defined.
LAMPIRAN	Error! Bookmark not defined.

DAFTAR TABEL

Tabel 4.1 Data Hasil <i>Processing</i> Produksi Ikan	52
Tabel 4.2 Data Hasil <i>Processing</i> Aktivitas Kapal... Error! Bookmark not defined.	
Tabel 4.3 Data Awal	58
Tabel 4.4 Data Parameter	60
Tabel 4.5 Data Matriks Random	62
Tabel 4.6 Data Pusat <i>Cluster</i>	63
Tabel 4.7 Data Pusat <i>Cluster</i> 1.....	64
Tabel 4.8 Data Pusat <i>Cluster</i> 2.....	65
Tabel 4.9 Data Pusat <i>Cluster</i> 3.....	66
Tabel 4.10 Data Pusat <i>Cluster</i> 4.....	67
Tabel 4.11 Data Pusat Seluruh <i>Cluster</i>	68
Tabel 4.12 Fungsi Obyektif <i>Cluster</i> 1.....	71
Tabel 4.13 Fungsi Obyektif <i>Cluster</i> 2.....	72
Tabel 4.14 Fungsi Obyektif <i>Cluster</i> 3.....	73
Tabel 4.15 Fungsi Obyektif <i>Cluster</i> 4.....	74
Tabel 4.16 Perubahan Matriks <i>Cluster</i> 1	74
Tabel 4.17 Perubahan Matriks <i>Cluster</i> 2	75
Tabel 4.18 Perubahan Matriks <i>Cluster</i> 3	75
Tabel 4.19 Perubahan Matriks <i>Cluster</i> 4	76
Tabel 4.20 Total Jumlah Baris Setiap <i>Cluster</i>	76
Tabel 4.21 Matriks Baru Setiap <i>Cluster</i>	76
Tabel 4.20 Pengujian Black Box.....	Error! Bookmark not defined.
Tabel 4.21 Hasil <i>Cluster</i> Menggunakan Metode <i>K-Means</i>	Error! Bookmark not defined.

Zainal Arifin, 2018

**IMPLEMENTASI ALGORITMA K-MEANS CLUSTERING DAN FUZZY C-MEANS DALAM
PENGELOMPOKKAN KINERJA PELABUHAN DI INDONESIA**

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

Tabel 4.22 Hasil <i>Cluster</i> Menggunakan Metode <i>Fuzzy C-Means</i>	79
Tabel 4.23 Rasio Kelas Pelabuhan Menggunakan Metode <i>K-Means</i>	79
Tabel 4.24 Rasio Kelas Pelabuhan Menggunakan Metode <i>Fuzzy C-Means</i>	80

DAFTAR GAMBAR

Gambar 2.1 Algoritma <i>K-Means</i>	30
Gambar 3.1 Desain Penelitian	Error! Bookmark not defined.
Gambar 3.2 Model Waterfall	Error! Bookmark not defined.
Gambar 4.1 Antar Muka Utama <i>Preprocessing</i> Data	Error! Bookmark not defined.
Gambar 4.2 Antar Muka Tabel <i>Preprocessing</i> Data	Error! Bookmark not defined.
Gambar 4.3 Antar Muka Tambah <i>Preprocessing</i> Data	Error! Bookmark not defined.
Gambar 4.4 Antar Muka Pengelompokan Data	Error! Bookmark not defined.
Gambar 4.5 Rancangan Tahapan Proses <i>Processing</i> Data	Error! Bookmark not defined.
Gambar 4.6 Rancangan Tahapan Proses Pengelompokan Kinerja Pelabuhan	Error! Bookmark not defined.
Gambar 4.7 Data Produksi Ikan PIPP	Error! Bookmark not defined.
Gambar 4.8 Data Aktivitas Kapal PIPP	Error! Bookmark not defined.
Gambar 4.9 Implementasi Halaman <i>Preprocessing</i> Data	Error! Bookmark not defined.
Gambar 4.10 Implementasi Halaman Tambah <i>Preprocessing</i> Data	Error! Bookmark not defined.
Gambar 4.11 Implementasi Halaman Edit <i>Processing</i> Data Bagian 1	Error! Bookmark not defined.
Gambar 4.12 Implementasi Halaman Edit <i>Processing</i> Data Bagian 2	Error! Bookmark not defined.
Gambar 4.13 Grafik Pelabuhan	70

Zainal Arifin, 2018

**IMPLEMENTASI ALGORITMA K-MEANS CLUSTERING DAN FUZZY C-MEANS DALAM
PENGELOMPOKKAN KINERJA PELABUHAN DI INDONESIA**

Universitas Pendidikan Indonesia | repository.upi.edu | perpustakaan.upi.edu

Gambar 4.14 Hasil Pengelompokan <i>K-Means Cluster 1</i> Bagian 1	Error!
Bookmark not defined.	
Gambar 4.15 Hasil Pengelompokan <i>K-Means Cluster 1</i> Bagian 2	Error!
Bookmark not defined.	
Gambar 4.16 Hasil Pengelompokan <i>K-Means Cluster 2</i>	Error!
Bookmark not defined.	
Gambar 4.17 Hasil Pengelompokan <i>K-Means Cluster 3</i>	Error!
Bookmark not defined.	
Gambar 4.18 Hasil Pengelompokan <i>K-Means Cluster 4</i> Bagian 1	Error!
Bookmark not defined.	
Gambar 4.19 Hasil Pengelompokan <i>K-Means Cluster 4</i> Bagian 2	Error!
Bookmark not defined.	
Gambar 4.20 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 1</i> Bagian 1	77
Gambar 4.21 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 1</i> Bagian 2	78
Gambar 4.22 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 1</i> Bagian 3	78
Gambar 4.23 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 2</i> Bagian 1	78
Gambar 4.24 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 2</i> Bagian 2	79
Gambar 4.25 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 3</i>	79
Gambar 4.26 Hasil Pengelompokan <i>Fuzzy C-Means Cluster 4</i>	80
Gambar 4.27 Grafik Rasio Kelas Pelabuhan Menggunakan Metode <i>K-Means</i>	80
Gambar 4.28 Grafik Rasio Kelas Pelabuhan Menggunakan Metode <i>Fuzzy C-Means</i>	80

