****

**T.C.**

**FENERBAHÇE ÜNİVERSİTESİ**

**MÜHENDİSLİK FAKÜLTESİ**

**ENDÜSTRİ MÜHENDİSLİĞİ BÖLÜMÜ**

**GENETİK ALGORİTMA İLE**

**ARAÇ ROTALAMA PROBLEMLERİNİN ÇÖZÜMÜ**

**BİTİRME PROJESİ**

**Hazırlayan**

**İSİM SOYİSİM**

**ÖĞRENCİ NUMARASI**

**Danışman Unvan Ad ve Soyad**

**HAZİRAN – 2024**

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**HAZİRAN – 2024**

KABUL VE ONAY FORMU

Üniversite : Fenerbahçe Üniversitesi

Fakülte : Mühendislik Fakültesi

Bölümü :

Öğrenci Numarası :

Öğrenci Adı Soyadı :

Proje Başlığı :

Sınav Yeri :

Sınav Tarihi :

**Jüri Görüşleri:**

Bitirme projesi tarafımızdan okunmuş, kapsam ve kalite yönünden kabul edilmiştir.

|  |  |  |
| --- | --- | --- |
| **Jüri Üyesi Ünvan Ad SOYAD** | **Görüş****(KABUL / RET)** | **İmza** |
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|  |  |  |
|  |  |  |

Yukarıdaki jüri kararı Bölüm Başkanlığının ......./....../........ tarih ve ..... sayılı kararı ile onaylanmıştır.

 Unvan Ad ve Soyad

 Bölüm Başkanı

**AKADEMİK DÜRÜSTLÜK BEYANI**

Bu projenin planlamasından yazımına kadar olan süreç içerisinde hiçbir şekilde bilimsel ahlak ve değerlere uygun olmayan davranışlarımın olmadığını, projenin içeriğinin yazım ilkelerine uygun bir biçimde hazırladığımı, proje ile elde edilmeyen bilgi ve yorumlara kılavuzda belirtilen kurallar ışığında kaynak göstererek projeyi tamamladığımı ve ayrıca projeyi herhangi bir patent ve telif hakkını ihlal etmeyecek bir biçimde hazırladığımı beyan ederim.

 İmza

 …. / ….. / …….

 Ad Soyad

TEŞEKKÜR

|  |
| --- |
| Bu bölümde, tezi hazırlayan tarafından vurgulanmak istenen çalışma ile ilgili ek bilgilerden, çalışmayı kısıtlayıcı ve / veya olumlu etkenlerden söz edilir. Bu bölüm bir sayfayı geçmemelidir. Gerekiyorsa bu bölümün son kısmında, tez çalışmasında ve tezin hazırlanmasında doğrudan katkısı bulunan kişilerle, doğrudan ilgili olmadığı halde olağan görevi dışında katkıda bulunmuş kişi ve kuruluşlara teşekkür edilmelidir. Teşekkür edilen kişilerin varsa unvanı, adı soyadı, parantez içinde görevli olduğu kuruluş ve çalışmaya olan katkısı kısa ve öz biçimde belirtilmelidir. Tez çalışması bir proje kapsamında gerçekleştirilmişse, projenin adı ve numarası ile ilgili kuruluşun adı da bu bölümde belirtilmelidir. |

ADI SOYADI

İstanbul, 2024

ÖZET

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**Anahtar Kelimeler: Karar, TOPSIS, karar verme.**

ABSTRACT

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

**Keywords: Decision, TOPSIS, decision making.**

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SİMGELER VE KISALTMALAR LİSTESİ

**Simgeler**

**Simge :** Açıklaması veya Adı

**Simge :** Açıklaması veya Adı

.....

....

....

Kısaltmalar

**Kısaltma :** Açıklaması veya Adı

**Kısaltma :** Açıklaması veya Adı

.....

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1. GİRİŞ

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* 1. Örnek İkinci Düzey Alt Başlık Örnek İkinci Düzey Alt Başlık Örnek İkinci Düzey Alt Başlık

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* + 1. Örnek Üçüncü Düzey Alt Başlık

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1. LİTERATÜR TARAMASI

Baysal (1982)’a göre aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaAaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa.aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa (Kernis vd., 1993). Harris vd. (2001) ifade ettiği üzere aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa Wegener ve Petty (1994)’ye göreaaaa.

* 1. Örnek İkinci Düzey Alt Başlık

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* + 1. Örnek Üçüncü Düzey Alt Başlık

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1. MATERYAL VE YÖNTEM

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* 1. Örnek İkinci Düzey Alt Başlık

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* + 1. Örnek Üçüncü Düzey Alt Başlık

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Tablo 1. Sayfa Numaralandırma Tablosu

|  |  |  |
| --- | --- | --- |
|  | İçerik Sırası | Sayfa Numarası |
| Başlangıç Kısmı | Dış Kapakİç KapakKabul ve Onay FormuAkademik Dürüstlük BeyanıTeşekkürÖzetAbstractİçindekilerŞekil ListesiTablo ListesiSimge ve Kısaltma Listesi | GösterilmezGösterilmezGösterilmezGösterilmezGösterilmezSayfa numarası “vi” dan başlayarak (sayfa no örnektir)......... |
| Metin Kısmı | GirişLiteratür TaramasıMateryal ve YöntemUygulamaBulgular ve TartışmaSonuç ve ÖnerilerKaynaklarEkler Özgeçmiş | Sayfa numarası “1” den başlayarak çalışmanın sonuna kadar gider....... |

* + - 1. Örnek Dördüncü Düzey Başlık

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

$y=mx+n$ (1)

$\sum\_{n=0}^{∝}x^{2}$ (2)



Şekil 1. Fenerbahçe Üniversitesi Logosu

1. UYGULAMA

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* 1. Örnek İkinci Düzey Alt Başlık

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* + 1. Örnek Üçüncü Düzey Alt Başlık

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1. BULGULAR VE TARTIŞMALAR

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* 1. Örnek İkinci Düzey Alt Başlık

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* + 1. Örnek Üçüncü Düzey Alt Başlık

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1. SONUÇ VE ÖNERİLER

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* 1. Örnek İkinci Düzey Alt Başlık

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* + 1. Örnek Üçüncü Düzey Alt Başlık

aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

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# **EK-1**

Aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

# **ÖZGEÇMİŞ**



Adı Soyadı :

Doğum Yeri ve Yılı :

Yabancı Dili :

**Eğitim Durumu**

Lise : Mezun olduğunuz lise, Yıl

Lisans : Mezun olduğunuz üniversite, Yıl

**Mesleki Deneyim**

İş Yeri : Çalıştığınız Kurum / Kuruluş, Yıllar

İş Yeri : Çalıştığınız Kurum / Kuruluş, Yıllar

İş Yeri : Çalıştığınız Kurum / Kuruluş, Yıllar