



KABLOSUZ SENSÖR AĞLARI İLE AKILLI TARIM SİSTEMİ

BIL 495
Dördüncü Sunum

Sinan ELVEREN

Proje Danışmanı: Doç. Dr. Hasari ÇELEBİ
Mayıs 2019



- Projenin Şeması ve Tanımı
- Projedeki İlerleme
- Kaynaklar



Proje Şeması ve Tanımı

Kontrol

Sıcaklık, Nem?



İlaçlama ve
Gübreleme
zamanları?



Ne zaman
ne ekilecek?



Hasat zamanı
yaklaşanlar?

Sulama Sistemi?

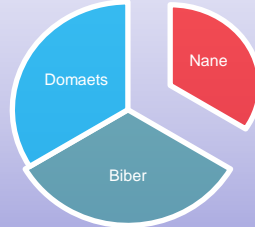
Hava koşulları?

- Yağış Uyarısı
- Afet Uyarısı
- Don Uyarısı



İstatistikler

- *Yıllık Beklenen ürün
- *Yıllık Hasat Edilen ürün

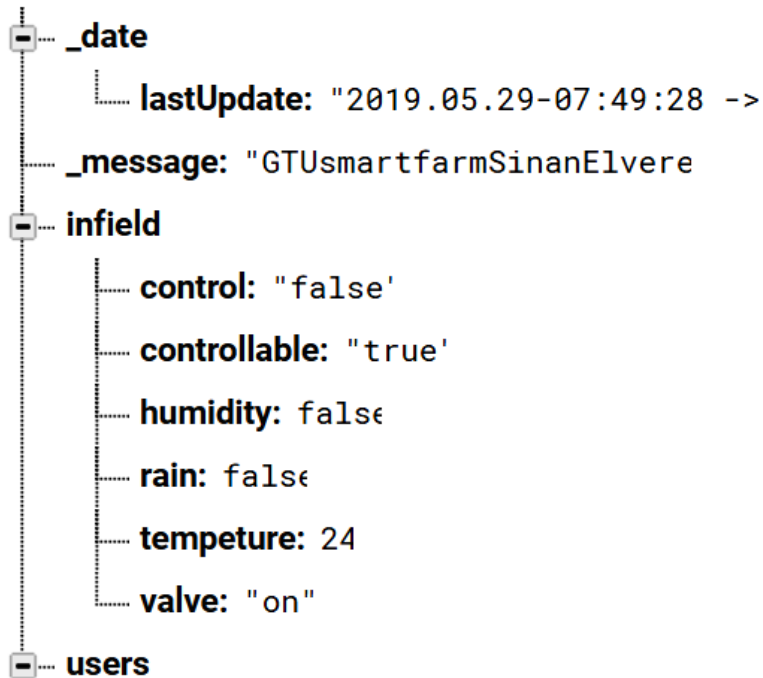


- *En çok verim alınan ürünler
- *En çok ekilen ürünler

Veritabanı Yapısı

<https://akillitarimgtu.firebaseio.com/>

akillitarimgtu



```
Every 0,5s: tail -n 25 smartfarm.log      raspberrypi: Wed May 29 08:11:00 2019
```

```
5.27.2019-0:34:47 -> It's rainy
5.27.2019-0:34:48 -> RainStatus : True
5.27.2019-0:34:49 -> here is no rain
5.27.2019-0:34:49 -> RainStatus : False
5.27.2019-0:34:50 -> here is no rain
5.27.2019-0:34:51 -> RainStatus : False
5.27.2019-0:34:59 -> ServoStatus : True
5.27.2019-0:42:18 -> Connecting to database.
5.27.2019-0:42:20 -> GTUsmartfarmSinanElveren
5.27.2019-0:42:21 -> Connected to database.
5.27.2019-0:42:21 -> Checking infield status
5.27.2019-0:42:21 -> HumidityStatus : False
5.27.2019-0:42:21 -> RainStatus : False
5.27.2019-0:43:23 -> Connecting to database.
5.27.2019-0:43:25 -> GTUsmartfarmSinanElveren
5.27.2019-0:43:25 -> Connected to database.
5.27.2019-0:43:25 -> Checking infield status
5.27.2019-0:43:26 -> HumidityStatus : False
5.27.2019-0:43:26 -> RainStatus : False
5.27.2019-0:44: 5 -> Connecting to database.
5.27.2019-0:44: 6 -> GTUsmartfarmSinanElveren
5.27.2019-0:44: 7 -> Connected to database.
```

1. International Journal of Advanced Research in Computer and Communication Engineering Vol. 5, Issue 6, June 2016. “IoT based Smart Agriculture” Nikesh Gondchawar , Prof. Dr. R. S. Kawitkar2
2. Seraist, Akıllı Hobi Sera[online], <http://www.serasist.com/> [Ziyaret Tarihi: 9 Ekim 2018].

