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**1\*** Xxxxx Üniversitesi, Xxxxx Fakültesi, Xxxx Bölümü, İstanbul, Türkiye, (ORCID: 0000-0000-0000-0000), xxxx@xxx.xx.xx

**2** Xxxxx Üniversitesi, Xxxxx Fakültesi, Xxxx Bölümü, İstanbul, Türkiye (ORCID: 0000-0000-0000-0000), xxxx@xxx.xx.xx

**3** Xxxxx Üniversitesi, Xxxxx Fakültesi, Xxxx Bölümü, İstanbul, Türkiye (ORCID: 0000-0000-0000-0000), xxxx@xxx.xx.xx

4 Xxxxx Üniversitesi, Xxxxx Fakültesi, Xxxx Bölümü, İstanbul, Türkiye (ORCID: 0000-0000-0000-0000), xxxx@xxx.xx.xx

(İlk Geliş Tarihi XXXX ve Kabul Tarihi XXXX)

(**DOI: 10.29228/JCHAR.** )

**ATIF:** Xxxx, X., Xxxx, X., Xxxx, X., Xxxx, X., Xxxx Xxxx Xxxx. *Journal of Characterization*, (1), 1 Xx-Xx, 2021.

**Öz**

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**Abstract**

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**Keywords:** Xxxx, Xxxx, Xxxx.

**1. Giriş**

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**2. Materyal ve Metot**

**2.1. Xxxx Xxxx**

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*Çizelge 1. Çalışmada Kullanılan Bakteriler ve İnkübasyon Koşulları*

|  |  |  |
| --- | --- | --- |
| **Bakteri** | **İnkübasyon Koşulları** | **Kullanılan Metot** |
| *Esherichia coli* | 35±1 °C de aerobik 16-20 saat. | Eucast.org (Anonim 2018) |
| *Staphylococcus aureus* |
| *Salmonella Typhi* |
| *Enterobacter aerogenes* |
| *Pseudomonas aeroginosa* |
| *Bacillus subtilis* |
| *Enterococcus faecalis* |
| *Listeria monocytogenes* | 35±1 °C ‘de hava ve % 5 CO2 karışımı 16-20 saat. |

**3. Bulgular**

**3.1. Xxxx Xxxx Xxxx**

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**4. Sonuçlar ve Tartışma**

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**5. Teşekkür**

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**Kaynaklar**

JCAR en popüler kaynak gösterim stillerinden olan IEEE stilini kullanmaktadır.

**Book**

[1] J. L. Spudich and B. H. Satir, Eds., *Sensory Receptors and Signal Transduction*. New York: Wiley-Liss, 2001.

**Journal**

[8] K. A. Nelson, R. J. Davis, D. R. Lutz, and W. Smith, “Optical generation of tunable ultrasonic waves,” *Journal of Applied Physics*, vol. 53, no. 2, Feb., pp. 1144-1149, 2002.

**Thesis or Dissertation**

[14] H. Zhang, “Delay-insensitive networks,” M. S. thesis, University of Chicago, Chicago, IL, 2007.

**Paper Published in Conference Proceedings**

[12] J. Smith, R. Jones, and K. Trello, “Adaptive filtering in data communications with self improved error reference,” In Proc. IEEE International Conference on Wireless Communications ’04, 2004, pp. 65-68.

**Patent /Standard**

[9] K. Kimura and A. Lipeles, “Fuzzy controller component,” U. S. Patent 14, 860,040, 14 Dec., 2006.

**Technical Report**

[8] K. E. Elliott and C. M. Greene, “A local adaptive protocol,” Argonne National Laboratory, Argonne, France, Tech. Report. 916-1010-BB, 7 Apr. 2007.

**General Internet Site**

[2] J. Geralds, “Sega Ends Production of Dreamcast,” *vnunet.com*, para. 2, Jan. 31, 2007. [Online]. Available: http://nli.vnunet.com/news/1116995. [Accessed Sept. 12, 2007].