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LAMPIRAN

Lampiran 1. Tanaman Talas Satoimo (*Colocasiae esculenta var. antiquorum*).



(Sumber: koleksi pribadi, 2019)

Lampiran 2. Dokumentasi Botol Kultur Talas Satoimo (*C. esculenta var. antiquorum*) yang Terkontaminasi Cendawan.

T1



T2



T3



T4



T5



T6



T7

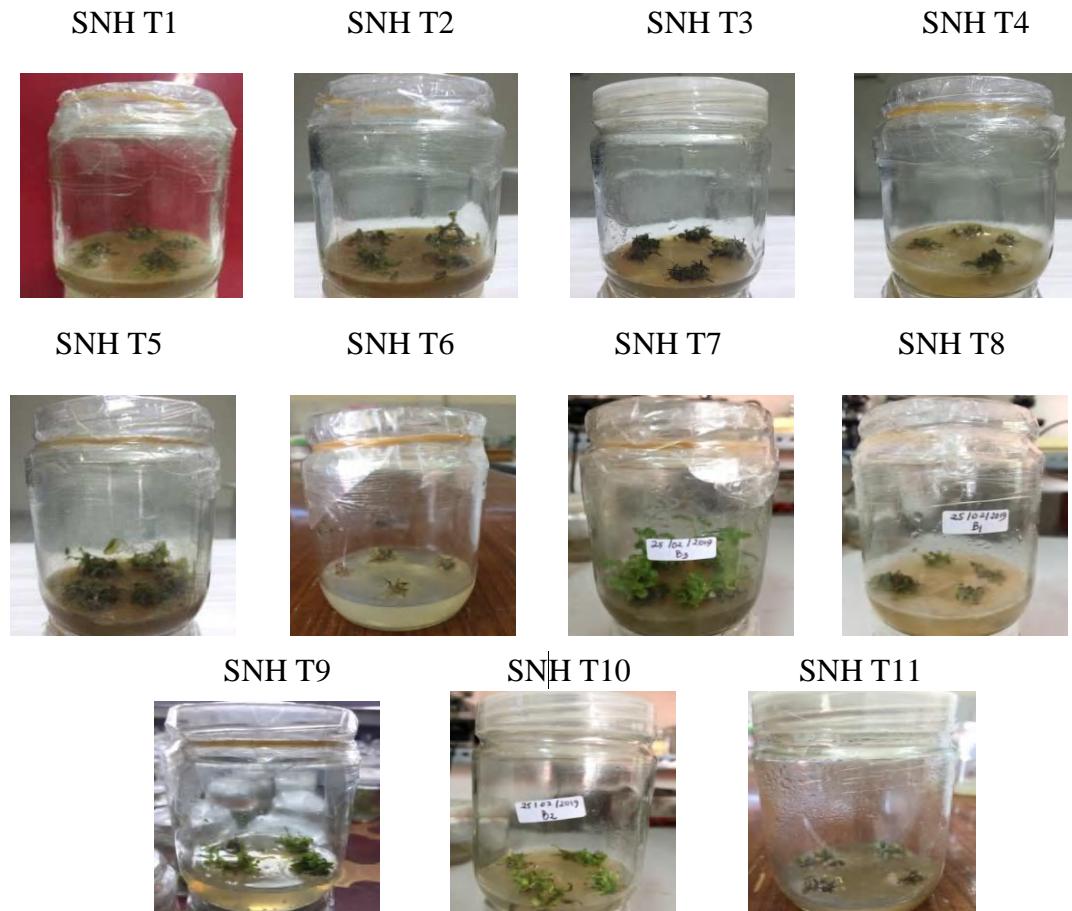


(Sumber: koleksi pribadi, 2019)



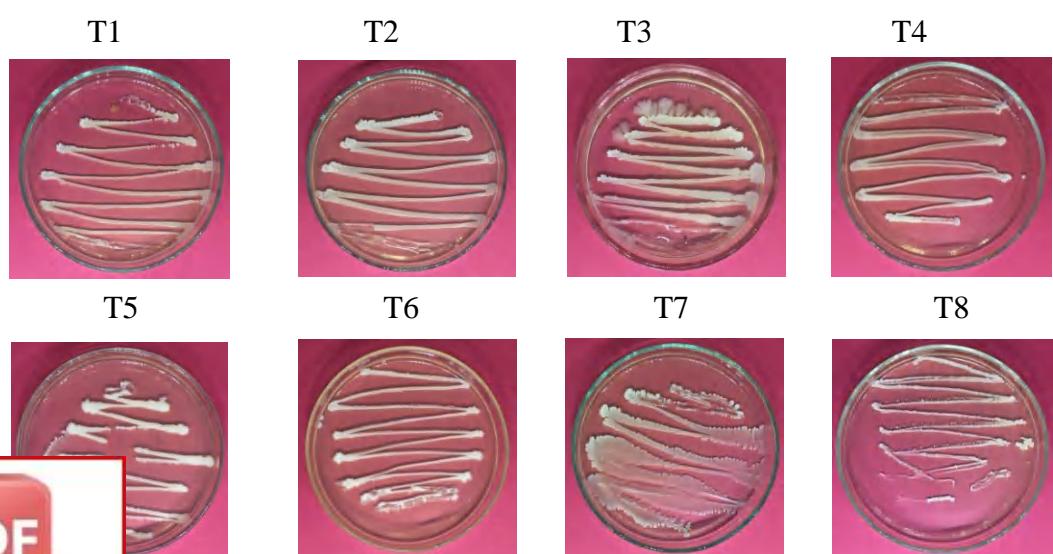
Optimization Software:
www.balesio.com

Lampiran 3. Dokumentasi Botol Kultur Talas Satoimo (*C. esculenta var. antiquorum*) yang Terkontaminasi Bakteri.



(Sumber: koleksi pribadi, 2019)

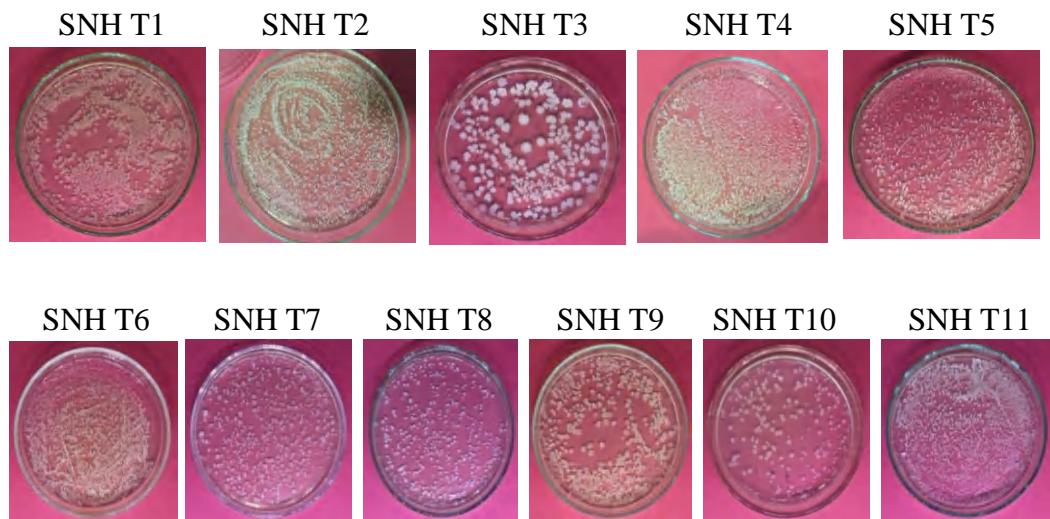
Lampiran 4. Dokumentasi Hasil Penggoresan Kontaminan Bakteri.





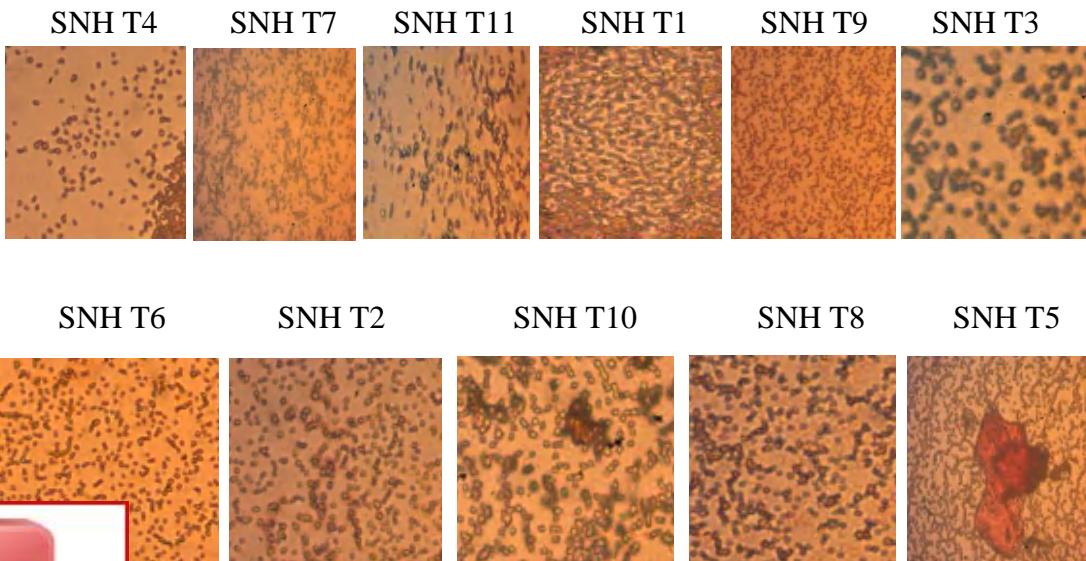
(Sumber: koleksi pribadi, 2019)

Lampiran 5. Dokumentasi Pengenceran Kontaminan Bakteri.



(Sumber: koleksi pribadi, 2019)

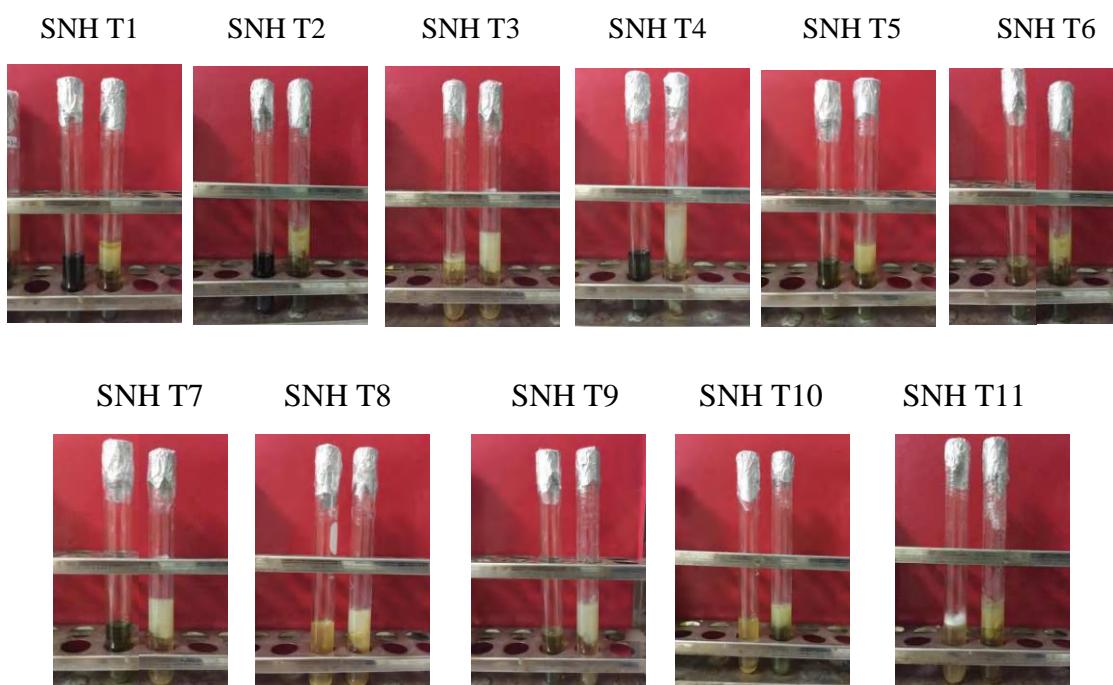
Lampiran 6. Dokumentasi Pembentukan Endospora Kontaminan Bakteri.



(Sumber: koleksi pribadi, 2019)



Lampiran 7. Dokumentasi Uji Oksidasi Fermentatif Kontaminan Bakteri.



(Sumber: koleksi pribadi, 2019)

Lampiran 8. Dokumentasi Uji H_2O_2 (*Katalase*)



(Sumber: koleksi pribadi, 2019)

Lampiran 9. Dokumentasi Uji KOH 3% (*Gram*)



(Sumber: koleksi pribadi, 2019)

Lampiran 10. Perhitungan Persentase Mikroba Kontaminan pada Kultur Talas Satoimo (*C. esculenta var. antiquorum*).

- Tidak Terkontaminasi

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{301}{370} \times 100\%$$

$$= 81,3 \%$$

- Kontaminan Cendawan

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{45}{370} \times 100\%$$

$$= 12,2 \%$$

- Kontaminan Bakteri

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{24}{370} \times 100\%$$

$$= 6,5 \%$$

Lampiran 11. Perhitungan Persentase Kontaminan Cendawan pada Kultur Talas Satoimo (*Colocasiae esculenta var. antiquorum*).

- Genus *Aspergillus* sp.

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{14}{45} \times 100\%$$


$$31,1 \%$$

- Genus *Penicillium* sp.

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{13}{45} \times 100\%$$

$$= 28,9 \%$$

- Genus *Gliocladium* sp.

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{11}{45} \times 100\%$$

$$= 24,5 \%$$

- Genus *Rhizopus* sp.

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{5}{45} \times 100\%$$

$$= 11,1 \%$$

- Genus *Pythium* sp.

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$

$$= \frac{2}{45} \times 100\%$$

$$= 4,4 \%$$

Lampiran 12. Perhitungan Persentase Kontaminan Bakteri pada Kultur Satoimo (*C. esculenta var. antiquorum*).

$$\frac{\text{Jumlah botol kultur yang terkontaminasi}}{\text{Total botol kultur}} \times 100\%$$



$$\frac{24}{370} \times 100\%$$

$$6,5 \%$$