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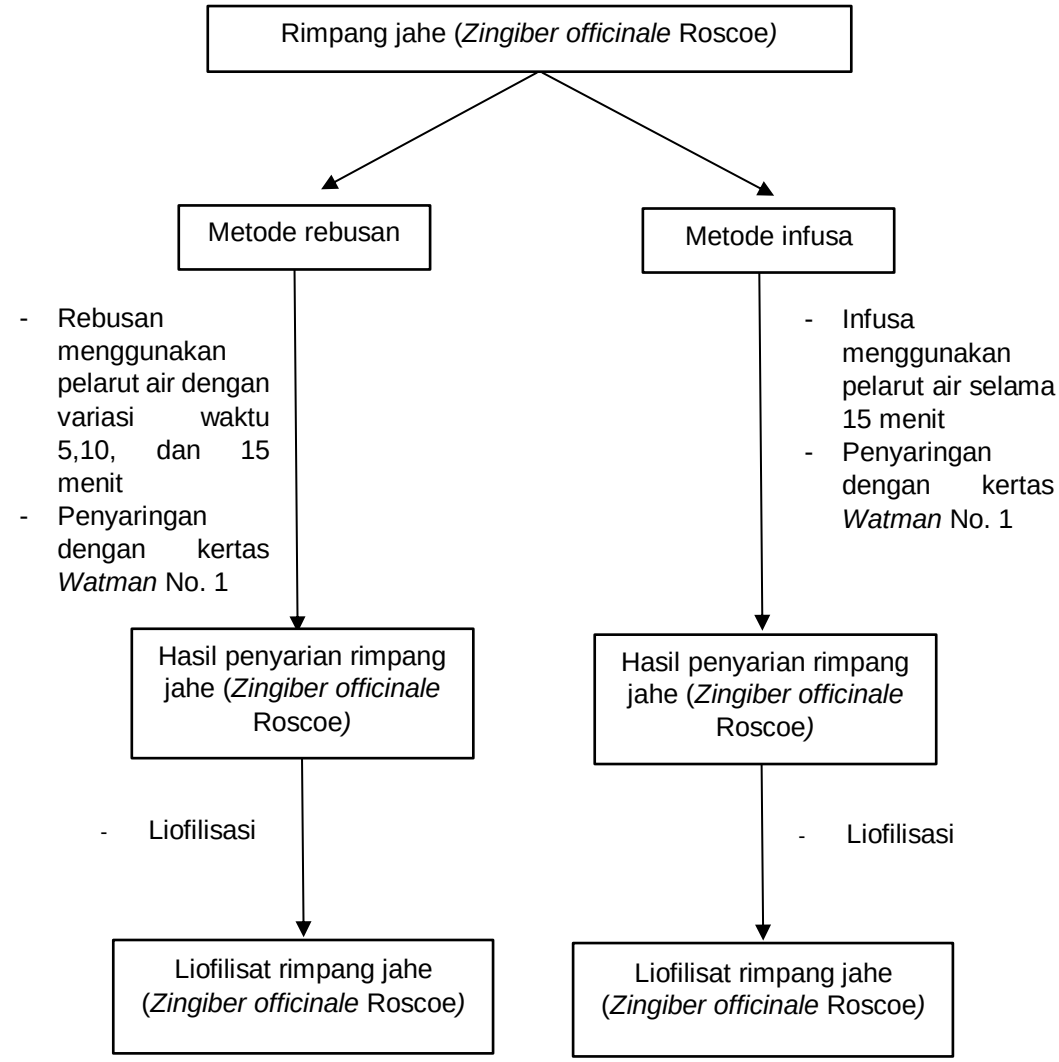
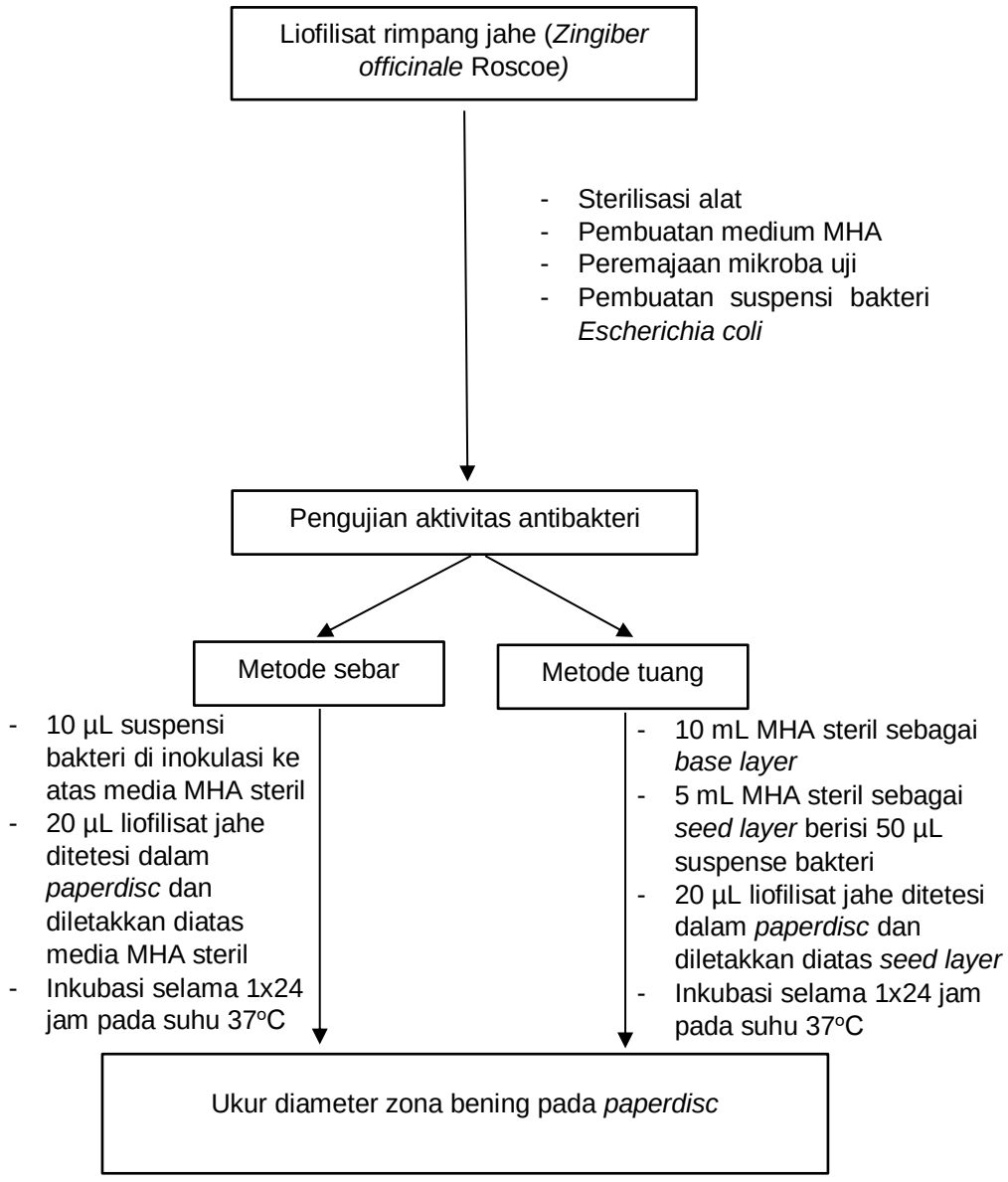
LAMPIRAN

Lampiran 1. Skema kerja penyiapan liofilisat rimpang jahe (*Zingiber officinale* Roscoe)



Lampiran 2. Skema kerja uji aktivitas antimikroba liofilisat rimpang jahe (*Zingiber officinale* Roscoe)



Lampiran 3. Perhitungan Persen Rendemen

$$\%\ \text{Rendemen liofilisat rebusan selama 5 menit} = \frac{\text{bobot sampel yang diperoleh}}{\text{bobot sampel yang diekstraksi}} \times 100\%$$

$$= \frac{2{,}27\ \text{g}}{50\ \text{g}} \times 100\%$$

$$= 4{,}54\ \%$$

$$\%\ \text{Rendemen liofilisat rebusan selama 10 menit} = \frac{\text{bobot sampel yang diperoleh}}{\text{bobot sampel yang diekstraksi}} \times 100\%$$

$$= \frac{2{,}46\ \text{g}}{50\ \text{g}} \times 100\%$$

$$= 4{,}92\ \%$$

$$\%\ \text{Rendemen liofilisat rebusan selama 10 menit} = \frac{\text{bobot sampel yang diperoleh}}{\text{bobot sampel yang diekstraksi}} \times 100\%$$

$$= \frac{1{,}94\ \text{g}}{50\ \text{g}} \times 100\%$$

$$= 3{,}88\ \%$$

$$\%\ \text{Rendemen liofilisat infusa} = \frac{\text{bobot sampel yang diperoleh}}{\text{bobot sampel yang diekstraksi}} \times 100\%$$

$$= \frac{2{,}55\ \text{g}}{50\ \text{g}} \times 100\%$$

$$= 5{,}10\ \%$$

Lampiran 4. Komposisi media

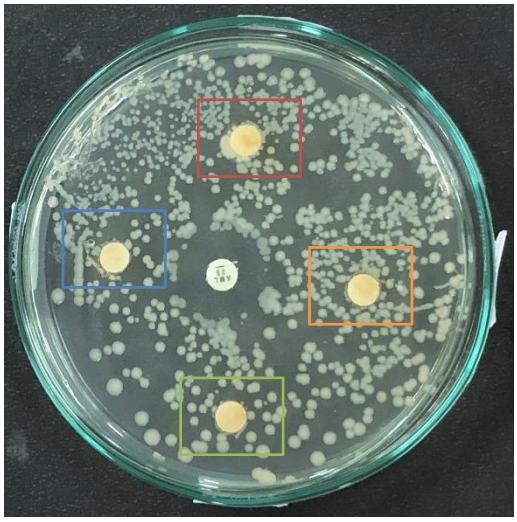
1. ***Mueller Hinton Agar***

Beef infusion	2 gram
Acid hydrolysate of casein	17,5 gram
Starch	1,5 gram
Agar	17 gram
Aquadest	1 Liter

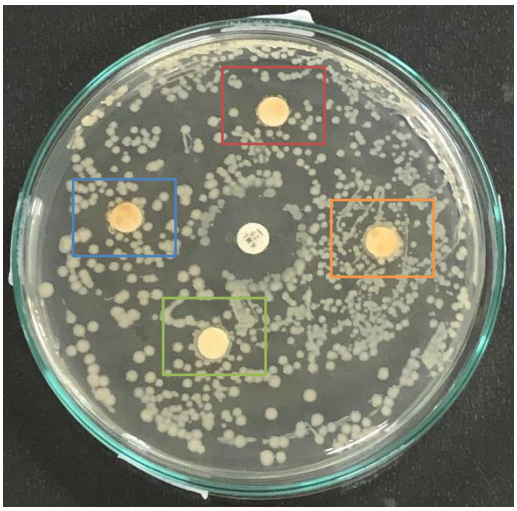
Lampiran 5. Perhitungan konsentrasi larutan stok

Untuk larutan stok 40%	= 40 g dalam 100 mL
Sehingga jika ingin dibuat dalam 1 mL	= 40 g/100 mL x …/1 mL
	= 0,4 g/ 1 mL

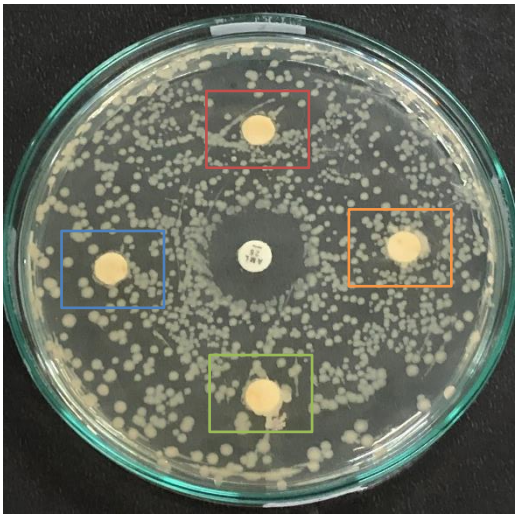
Lampiran 6. Gambar Penelitian



(a)



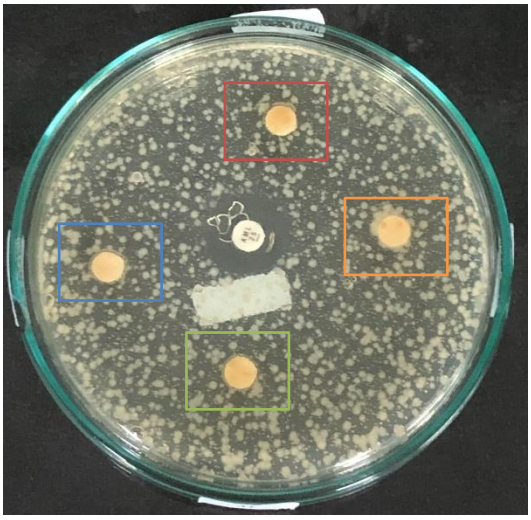
(b)



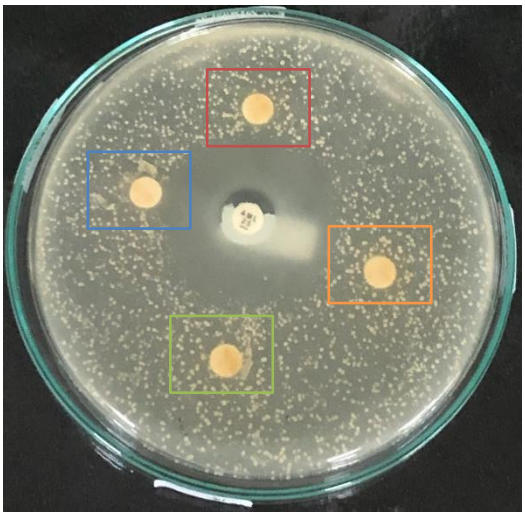
(c)

Gambar 3. Hasil uji antibakteri dengan menggunakan metode sebar terhadap bakteri *Escherichia coli* (a) replikasi 1, (b) replikasi 2, (c) replikasi 3

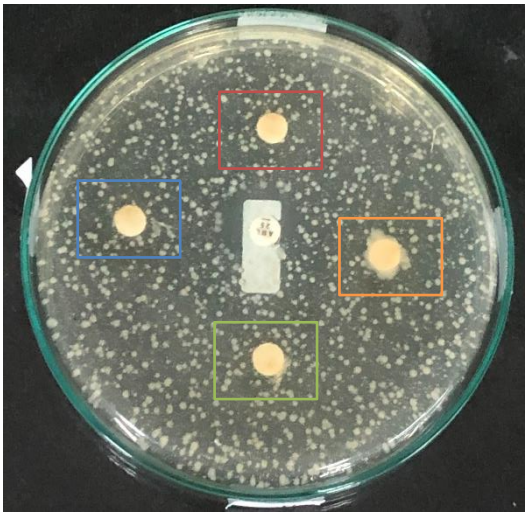
Keterangan
- Rebusan 5 menit
- Rebusan 10 menit
- Rebusan 15 menit
- Infusa



(a)



(b)



(c)

Gambar 4. Hasil uji antibakteri dengan menggunakan metode tuang terhadap bakteri *Escherichia coli* (a) replikasi 1, (b) replikasi 2, (c) replikasi 3

Keterangan

- Rebusan 5 menit
- Rebusan 10 menit
- Rebusan 15 menit
- Infusa