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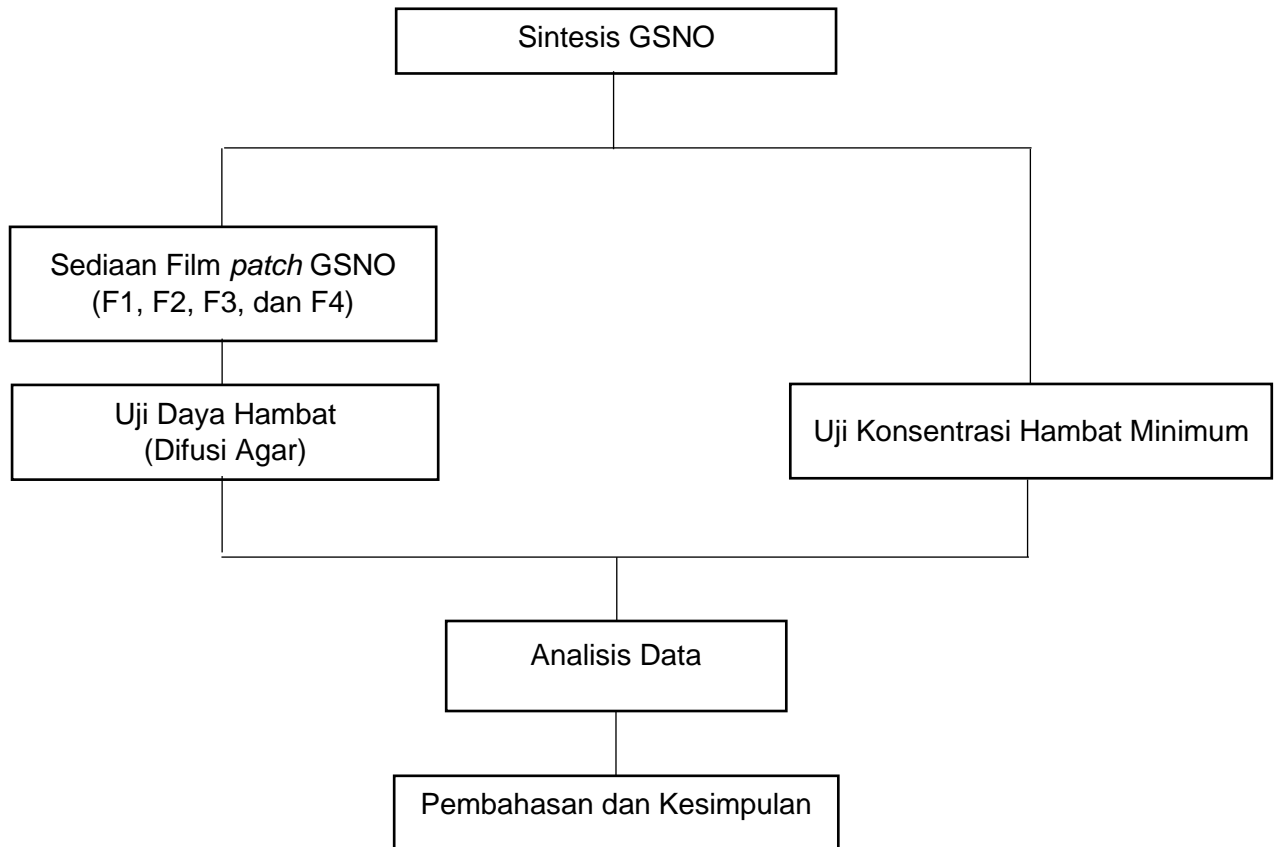
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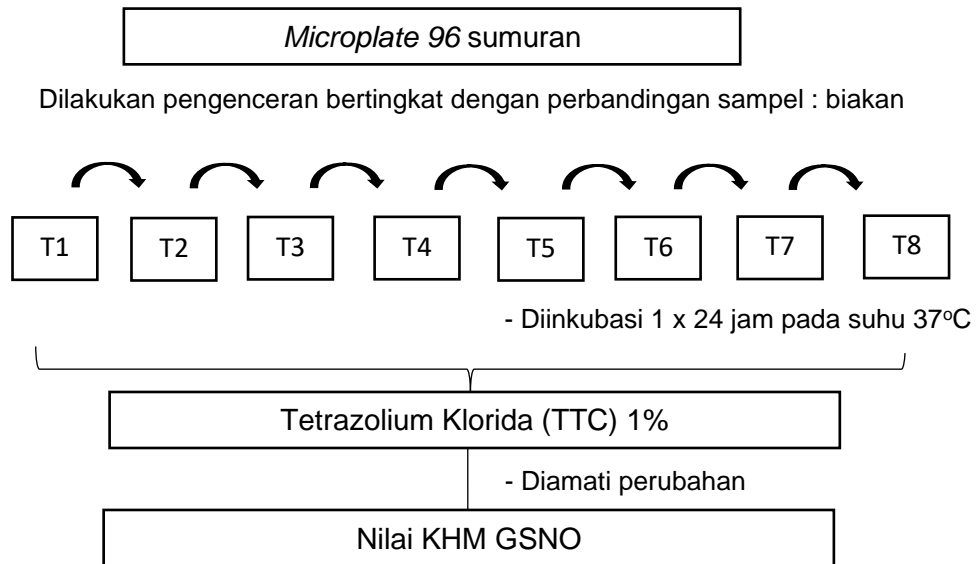
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## LAMPIRAN

### Lampiran 1. Skema kerja penelitian



## Lampiran 2. Skema kerja uji KHM menggunakan metode mikrodilusi



### Keterangan :

- T1 = Konsentrasi 100  $\mu\text{g/mL}$
- T2 = Konsentrasi 50  $\mu\text{g/mL}$
- T3 = Konsentrasi 25  $\mu\text{g/mL}$
- T4 = Konsentrasi 12,5  $\mu\text{g/mL}$
- T5 = Konsentrasi 6,25  $\mu\text{g/mL}$
- T6 = Konsentrasi 3,13  $\mu\text{g/mL}$
- T7 = Konsentrasi 1,56  $\mu\text{g/mL}$
- T8 = Konsentrasi 0,78  $\mu\text{g/mL}$

### Lampiran 3. Skema pada sumuran

	T1	T2	T3	T4	T5	T6	T7	T8	KN	KP	
R1											
R2											
R3											
R4											
R5											
R6											

Keterangan :

- T1 = Konsentrasi 100 µg/mL
- T2 = Konsentrasi 50 µg/mL
- T3 = Konsentrasi 25 µg/mL
- T4 = Konsentrasi 12,5 µg/mL
- T5 = Konsentrasi 6,25 µg/mL
- T6 = Konsentrasi 3,13 µg/mL
- T7 = Konsentrasi 1,56 µg/mL
- T8 = Konsentrasi 0,78 µg/mL
- KN = Kontrol Negatif
- KP = Kontrol Positif
- R = Replikasi



#### Lampiran 4. Komposisi medium

1. ***Mueller Hinton Agar*** (Zimbrow *et al.*, 2009).

*Acid casein pepton* 17,5 gram

*Beef infusion* 2 gram

*Starch* 1,5 gram

Agar 17 gram

*Aquadest* ad 1 liter

pH 7,3 ± 0,1

2. ***Mueller Hinton Broth*** (Zimbrow *et al.*, 2009).

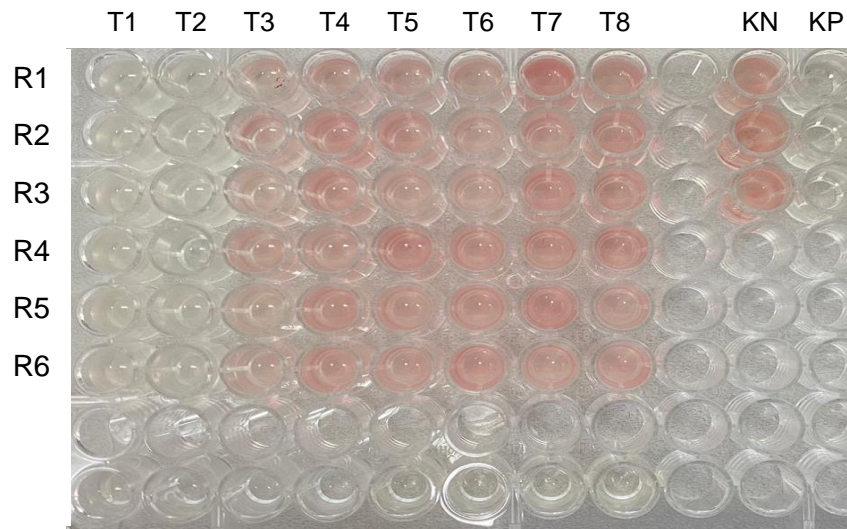
*Acid casein pepton* 17,5 gram

*Beef infusion* 2 gram

*Starch* 1,5 gram

*Aquadest* ad 1 liter

pH 7,3 ± 0,1

**Lampiran 5. Hasil penentuan nilai KHM GSNO terhadap *P. acnes***

**Gambar 6. Hasil penentuan nilai KHM GSNO terhadap *P. acnes* menggunakan *microplate 96 well***

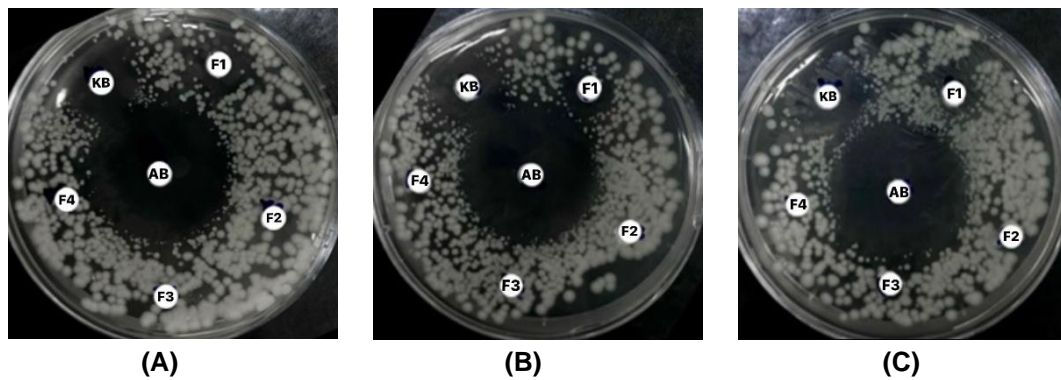
Keterangan :

- T1 = Konsentrasi 100  $\mu\text{g/mL}$
- T2 = Konsentrasi 50  $\mu\text{g/mL}$
- T3 = Konsentrasi 25  $\mu\text{g/mL}$
- T4 = Konsentrasi 12,5  $\mu\text{g/mL}$
- T5 = Konsentrasi 6,25  $\mu\text{g/mL}$
- T6 = Konsentrasi 3,13  $\mu\text{g/mL}$
- T7 = Konsentrasi 1,56  $\mu\text{g/mL}$
- T8 = Konsentrasi 0,78  $\mu\text{g/mL}$
- KN = Kontrol Negatif
- KP = Kontrol Positif
- R = Replikasi

### Lampiran 6. Hasil uji aktivitas daya hambat sediaan film *patch* GSNO terhadap *P. acnes*

Tabel 3. Hasil aktivitas daya hambat sediaan film *patch* GSNO terhadap *P. acnes* menggunakan metode difusi agar

Sampel	Rata - rata Diameter Hambat (mm)			Rata - rata $\pm$ SD
	Replikasi 1	Replikasi 2	Replikasi 3	
Kontrol Positif (Eritromisin)	30,44	31,74	32,47	31,55 $\pm$ 1,03
Kontrol GSNO 1%	15,31	15,16	16,33	15,60 $\pm$ 0,64
F1	11,51	11,09	11,78	11,46 $\pm$ 0,35
F2	6,00	6,00	6,00	6,00 $\pm$ 0
F3	6,00	6,00	6,00	6,00 $\pm$ 0
F4	6,00	6,00	6,00	6,00 $\pm$ 0



Gambar 7. Aktivitas daya hambat sediaan film *patch* GSNO terhadap *P. acnes*; (A) replikasi 1, (B) replikasi 2, dan (C) replikasi 3; Keterangan: AB (kontrol positif), KB (kontrol GSNO), F adalah formula dengan rasio Eudragit® RL-PO : GSNO untuk F1 (5% : 1%), F2 (10% : 1%), F3 (15% : 1%) dan F4 (15% : 0%).

## Lampiran 7. Data hasil analisis statistika

### Uji Normalitas

		Tests of Normality					
		Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Kelompok Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Hasil	Kontrol Positif	.240	3	.	.974	3	.693
Perlakuan	Kontrol GSNO	.342	3	.	.844	3	.226
	F1	.224	3	.	.984	3	.762
	F2	.	3	.	.	3	.
	F3	.	3	.	.	3	.
	Kontrol Negatif (F4)	.	3	.	.	3	.

### Annova one-way

#### ANOVA

##### Hasil Perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1499.736	5	299.947	1136.523	.000
Within Groups	3.167	12	.264		
Total	1502.903	17			

## Post Hoc

## Multiple Comparisons

## Tukey HSD

(I) Kelompok Perlakuan	(J) Kelompok Perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
F1	F2	5.46000 <sup>*</sup>	.41946	.000	4.0511	6.8689
	F3	5.46000 <sup>*</sup>	.41946	.000	4.0511	6.8689
	F4 (Kontrol Negatif)	5.46000 <sup>*</sup>	.41946	.000	4.0511	6.8689
	Kontrol GSNO	-4.14000 <sup>*</sup>	.41946	.000	-5.5489	-2.7311
	Kontrol Positif	-20.09000 <sup>*</sup>	.41946	.000	-21.4989	-18.6811
F2	F1	-5.46000 <sup>*</sup>	.41946	.000	-6.8689	-4.0511
	F3	.00000	.41946	1.000	-1.4089	1.4089
	F4 (Kontrol Negatif)	.00000	.41946	1.000	-1.4089	1.4089
	Kontrol GSNO	-9.60000 <sup>*</sup>	.41946	.000	-11.0089	-8.1911
	Kontrol Positif	-25.55000 <sup>*</sup>	.41946	.000	-26.9589	-24.1411
F3	F1	-5.46000 <sup>*</sup>	.41946	.000	-6.8689	-4.0511
	F2	.00000	.41946	1.000	-1.4089	1.4089
	F4 (Kontrol Negatif)	.00000	.41946	1.000	-1.4089	1.4089
	Kontrol GSNO	-9.60000 <sup>*</sup>	.41946	.000	-11.0089	-8.1911
	Kontrol Positif	-25.55000 <sup>*</sup>	.41946	.000	-26.9589	-24.1411
F4 (Kontrol Negatif)	F1	-5.46000 <sup>*</sup>	.41946	.000	-6.8689	-4.0511
	F2	.00000	.41946	1.000	-1.4089	1.4089
	F3	.00000	.41946	1.000	-1.4089	1.4089
	Kontrol GSNO	-9.60000 <sup>*</sup>	.41946	.000	-11.0089	-8.1911
	Kontrol Positif	-25.55000 <sup>*</sup>	.41946	.000	-26.9589	-24.1411
Kontrol GSNO	F1	4.14000 <sup>*</sup>	.41946	.000	2.7311	5.5489
	F2	9.60000 <sup>*</sup>	.41946	.000	8.1911	11.0089
	F3	9.60000 <sup>*</sup>	.41946	.000	8.1911	11.0089
	F4 (Kontrol Negatif)	9.60000 <sup>*</sup>	.41946	.000	8.1911	11.0089
	Kontrol Positif	-15.95000 <sup>*</sup>	.41946	.000	-17.3589	-14.5411
Kontrol Positif	F1	20.09000 <sup>*</sup>	.41946	.000	18.6811	21.4989
	F2	25.55000 <sup>*</sup>	.41946	.000	24.1411	26.9589
	F3	25.55000 <sup>*</sup>	.41946	.000	24.1411	26.9589
	F4 (Kontrol Negatif)	25.55000 <sup>*</sup>	.41946	.000	24.1411	26.9589
	Kontrol GSNO	15.95000 <sup>*</sup>	.41946	.000	14.5411	17.3589

## Lampiran 8. Dokumentasi penelitian



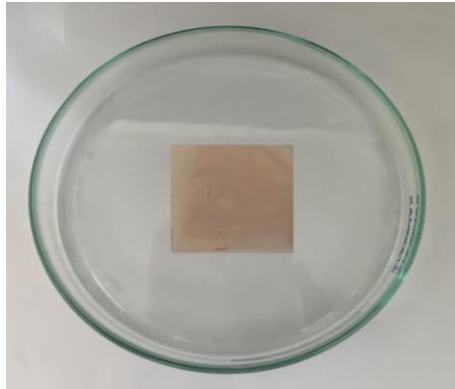
**Gambar 8. Sintesis GSNO**



**Gambar 9. Pembuatan medium**



**Gambar 10. Penyiapan suspensi bakteri**



**Gambar 11. Sediaan film *patch* GSNO**