

LAMPIRAN

Lampiran 1 Tabel

Tabel 4.1 Pengolahan Data Pengamatan metode Angka Lempeng Total H-0 bulan

Sampel	Pengenceran	Waktu inkubasi (Jam)	Jumlah Koloni			Nilai ALT
			Cawan 1	Cawan 2	Rata-rata	
Blanko	-	24 jam	2			
Kontrol	-	24 jam	47			
Cairan lensa Kontak	10^{-1}	24 jam	1	2		
	10^{-2}	24 jam	3	0		
	10^{-3}	24 jam	7	2		
Blanko	-	48 jam	3			
Kontrol	-		14			
Cairan Lensa Kontak	10^{-1}	48 jam	2	3	3,5	$1,4 \times 10^1$ cfu/ml
	10^{-2}	48 jam	4	1	2,5	
	10^{-3}	48 jam	2	2	2	

Tabel 3.4 Pengolahan Data Pengamatan metode Angka Kapang Khamir H-0 bulan

Sampel	Pengenceran	Waktu inkubasi (Jam)	Jumlah Koloni			Nilai AKK
			Cawan 1	Cawan 2	Rata-rata	
Blanko	-	24 jam	6			
Kontrol	-	24 jam	1			
Cairan lensa Kontak	10^{-1}	24 jam	1	8		
	10^{-2}	24 jam	8	4		
	10^{-3}	24 jam	0	4		
Blanko	-	48 jam	8			
Pengenceran	-	48 jam	8			

Cairan Lensa Kontak	10 ⁻¹	48 jam	4	6	5	5x10 ¹ cfu/ml
	10 ⁻²	48 jam	10	6	8	
	10 ⁻³	48 jam	3	4	3,5	

Tabel 3.3 Pengolahan Data Pengamatan metode Angka Lempeng Total H-1 bulan

Sampel	Pengenceran	Waktu inkubasi (Jam)	Jumlah Koloni			Nilai ALT
			Cawan 1	Cawan 2	Rata-rata	
Blanko	-	24 jam	1			
Kontrol	-	24 jam	64			
Cairan lensa Kontak	10 ⁻¹	24 jam	7	3		
	10 ⁻²	24 jam	2	1		
	10 ⁻³	24 jam	1	0		
Blanko	-	48 jam	4			
Kontrol	-	48 jam	43			
Cairan Lensa Kontak	10 ⁻¹	48 jam	160	2	81	1,6x 10 ⁴ cfu/ml
	10 ⁻²	48 jam	150	176	163	
	10 ⁻³	48 jam	80	20	50	

Tabel 3.4 Pengolahan Data Pengamatan metode Angka Kapang Khamir H-1 bulan

Sampel	Pengenceran	Waktu inkubasi (Jam)	Jumlah Koloni			Nilai AKK
			Cawan 1	Cawan 2	Rata-rata	
Blanko	-	24 jam	kln 2			
Kontrol		24 jam	0			
Cairan lensa Kontak	10 ⁻¹	24 jam	4	17		
	10 ⁻²	24 jam	2	1		

	10 ⁻³	24 jam	1	1		
Blanko	-	48 jam	1			
Kontrol	-	48 jam	0			
Cairan Lensa Kontak	10 ⁻¹	48 jam	29	51	40	2,3x10 ³ cfu/ml
	10 ⁻²	48 jam	29	17	23	
	10 ⁻³	48 jam	1	3	2	

Tabel 3.4 Pengolahan Data Pengamatan metode Angka Lempeng Total H-2 bulan

Sampel	Pengenceran	Waktu inkubasi (Jam)	Jumlah Koloni			Nilai ALT
			Cawan 1	Cawan 2	Rata-rata	
Blanko	-	24 jam	13			
kontrol		24 jam	3			
Cairan lensa Kontak	10 ⁻¹	24 jam	85	65		
	10 ⁻²	14 jam	13	13		
	10 ⁻³	24 jam	6	8		
Blanko	-	48 jam	13			
Kontrol	-	48 jam	300			
Cairan Lensa Kontak	10 ⁻¹	48 jam	300	300	300	1,6x10 ⁵ cfu/ml
	10 ⁻²	48 jam	265	200	232,5	
	10 ⁻³	48 jam	58	123	90	

Tabel 3.4 Pengolahan Data Pengamatan metode Angka Kapang Khamir H-2 bulan

Sampel	Pengenceran	Waktu inkubasi (Jam)	Jumlah Koloni			Nilai AKK
			Cawan 1	Cawan 2	Rata-rata	
Blanko	-	24 jam	0			

Kontrol		24 jam	0			
Cairan lensa	10 ⁻¹	24 jam	10	11		
Kontak	10 ⁻²	24 jam	0	2		
	10 ⁻³	24 jam	0	0		
Blanko	-	48 jam	0			
Kontrol	-	48 jam	0			
Cairan Lensa Kontak	10 ⁻¹	48 jam	16	19	17,5	2,6x10 ² cfu/ml
	10 ⁻²	48 jam	1	6	3,5	
	10 ⁻³	48 jam	2	1	1,5	

Lampiran 2 Perhitungan

➤ H0 bulan

- 48 jam ALT

Nilai ALT
 $= 1,4 \times 10^1 \text{ cfu/ml}$

- 48 jam Akk

$$10^{-1} = \frac{4+6}{2} = 5 \times 10^1$$

$$10^{-2} = \frac{10+6}{2} = 8 \times 10^2$$

$$10^{-3} = \frac{3+4}{2} = 3,5 \times 10^3$$

- Rata-rata

$$\begin{aligned} & (5 \times 10^1) + (8 \times 10^2) / 2 \\ & = 50 + 800 / 2 \\ & = 425 \end{aligned}$$

- X= Pengenceran tertinggi : pengenceran terendah = Jumlah koloni

$$\begin{aligned} & = 800/50 \\ & = 16 (>2 \text{ menggunakan pengenceran terendah}) \end{aligned}$$

- Nilai ALT

$$= 5 \times 10^1 \text{ cfu/ml}$$

➤ **H+1 bulan**

- **48 jam ALT**

$$10^{-1} = \frac{160+2}{2} = 81 \times 10^1$$

$$10^{-2} = \frac{150+176}{2} = 163 \times 10^2$$

$$10^{-3} = \frac{80+20}{2} = 50 \times 10^3$$

- Rata-rata
 $(163 \times 10^2) + (50 \times 10^3) / 2$
 $= 16300 + 50000 / 2$
 $= 33150$
- X= Pengenceran tertinggi : pengenceran terendah
= Jumlah koloni
 $= 50000 / 16300$
 $= 3,067 (>2 \text{ menggunakan pengenceran terendah})$
- Nilai ALT
 $= 1,6 \times 10^4 \text{ cfu/ml}$

- **48 jam AKK**

$$10^{-1} = \frac{29+51}{2} = 40 \times 10^1$$

$$10^{-2} = \frac{29+17}{2} = 23 \times 10^2$$

$$10^{-3} = \frac{1+3}{2} = 2 \times 10^3$$

- Rata-rata
 $(40 \times 10^1) + (23 \times 10^2) / 2$
 $= 400 + 2300 / 2$
 $= 1350$
- X= Pengenceran tertinggi : pengenceran terendah = jumlah koloni
 $2300 / 400$
 $= 5,75 (>2 \text{ menggunakan pengenceran terendah})$
- Nilai AKK
 $= 2,3 \times 10^3 \text{ cfu/ml}$

➤ **H+2 bulan**

- **48 jam ALT**

$$10^{-1} = \frac{300+300}{2} = 300 \times 10^1$$

$$10^{-2} = \frac{265+200}{2} = 232,5 \times 10^2$$

$$10^{-3} = \frac{58+123}{2} = 90 \times 10^3$$

- Rata-rata
 $(232,5 \times 10^2) + (90 \times 10^3) / 2$
 $= 232500 + 90000 / 2$
 $= 161250$
- X = Pengenceran tertinggi : pengenceran terendah = Jumlah koloni
 $= 90000 / 232500$
 $= 0,387 (< 2 \text{ dihitung rata-rata})$
- Nilai ALT
 $= 1,6 \times 10^5 \text{ cfu/ml}$

- **48 jam AKK**

$$10^{-1} = \frac{16+19}{2} = 17,5 \times 10^1$$

$$10^{-2} = \frac{1+6}{2} = 3,5 \times 10^2$$

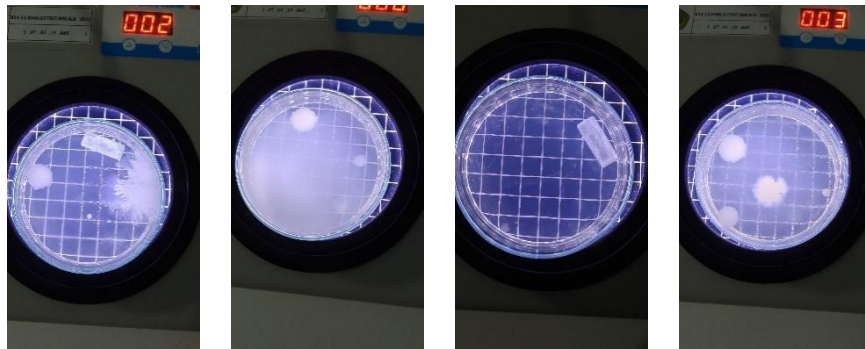
$$10^{-3} = \frac{2+1}{2} = 1,5 \times 10^2$$

- Rata-rata
 $(17,5 \times 10^1) + (3,5 \times 10^2) / 2$
 $= 175 + 350 / 2$
 $= 262,5$
- X = Pengenceran tertinggi : pengenceran terendah = Jumlah koloni
 $= 350 / 175$
 $= 2 (< 2 \text{ Diambil rata-rata})$
- Nilai ALT
 $= 2,6 \times 10^2 \text{ cfu/ml}$

Lampiran 3 Gambar

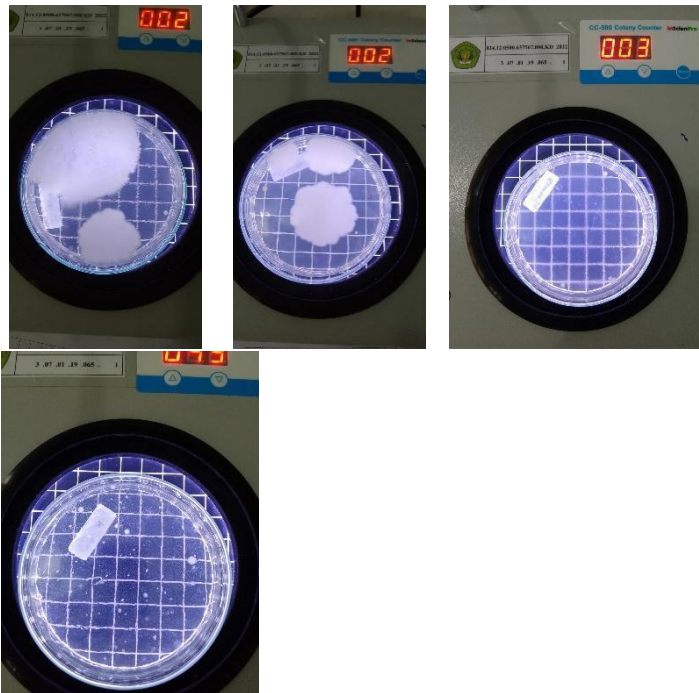
➤ H0 Bulan

- 24 jam ALT

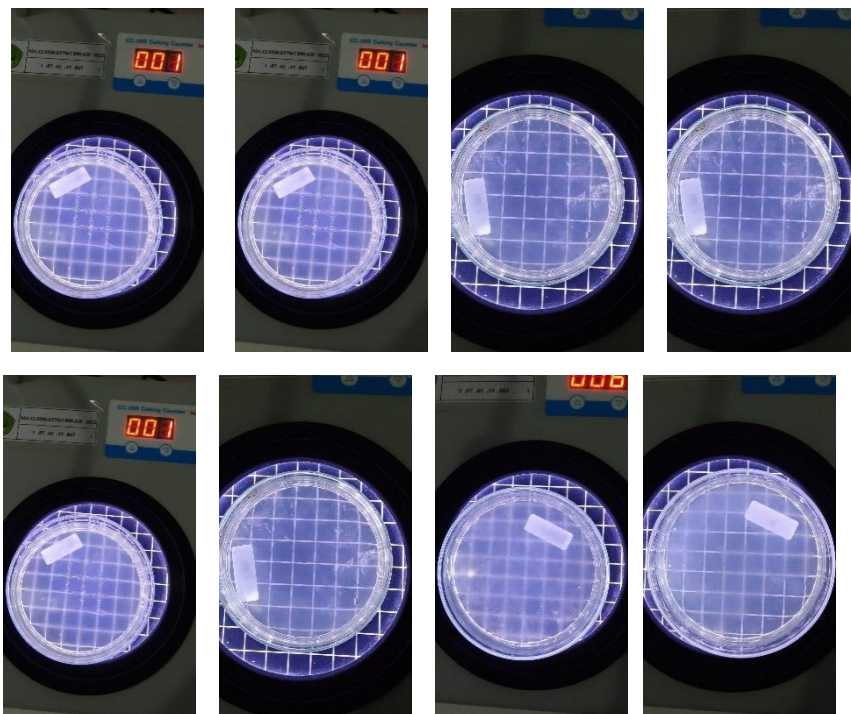


- 48 jam ALT

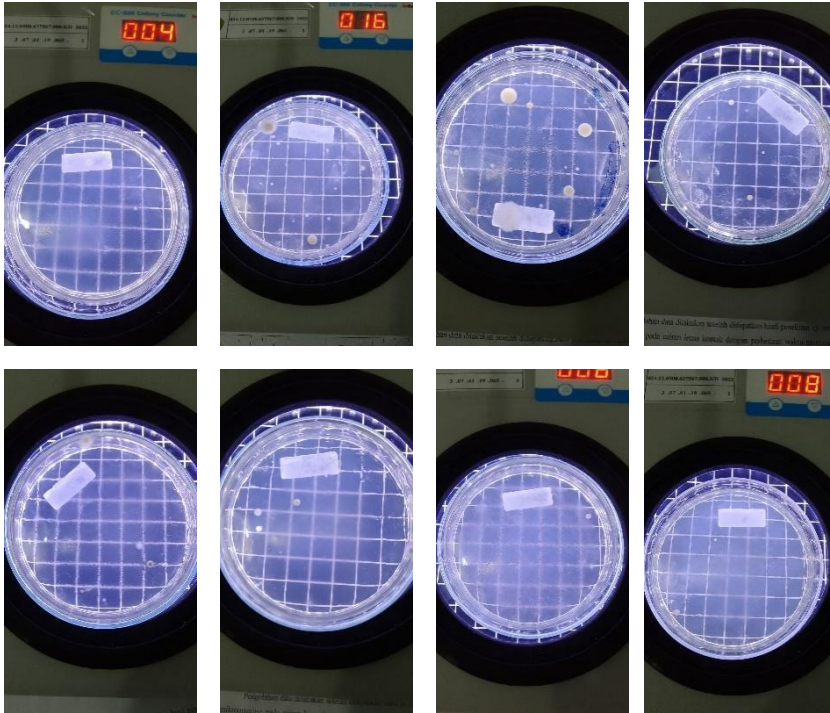




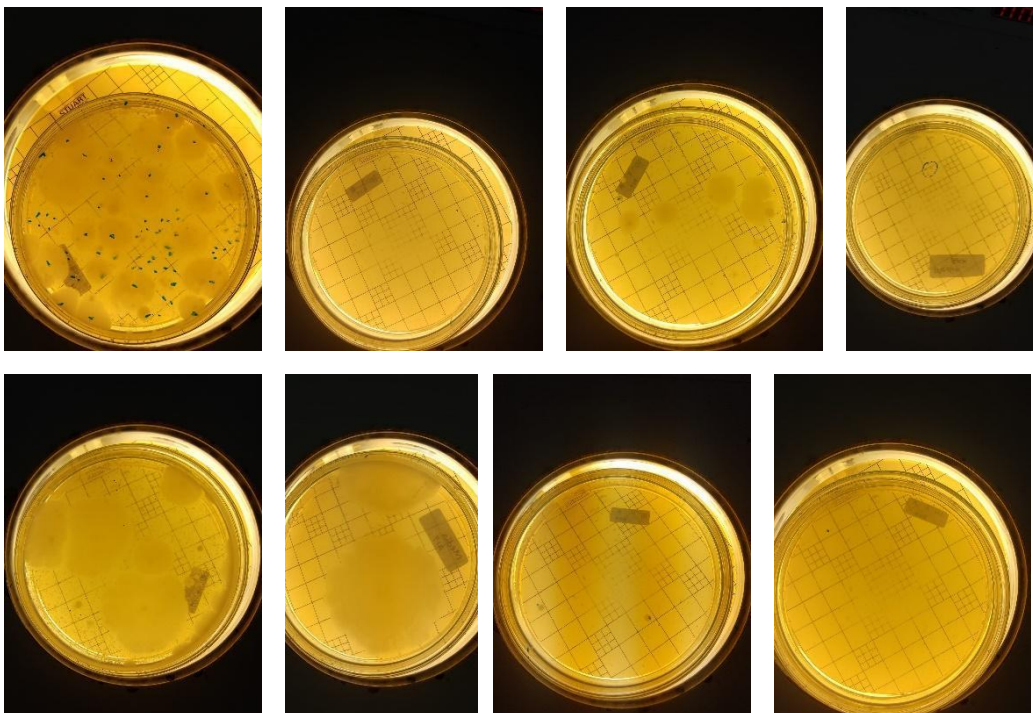
- 24 jam AKK



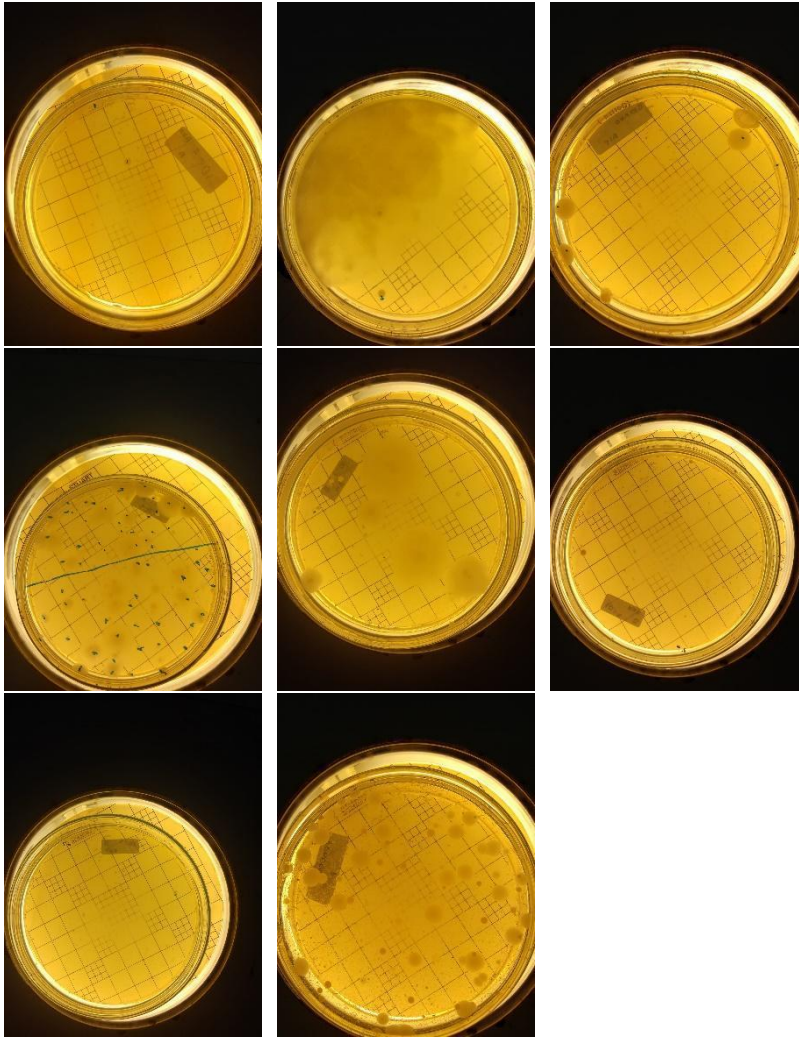
- 48 jam AKK



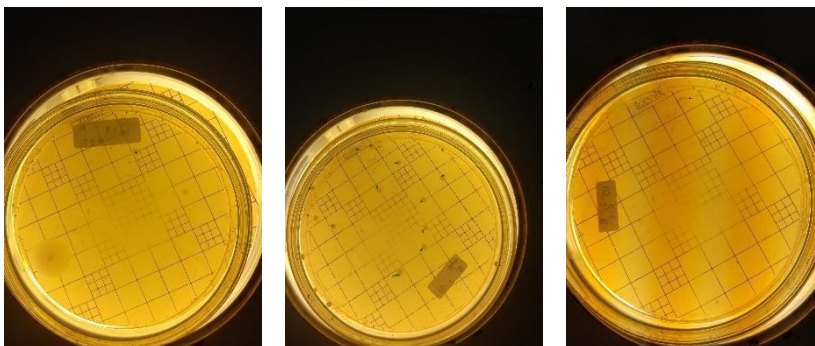
➤ **H+1 Bulan**
- **24 jam ALT**

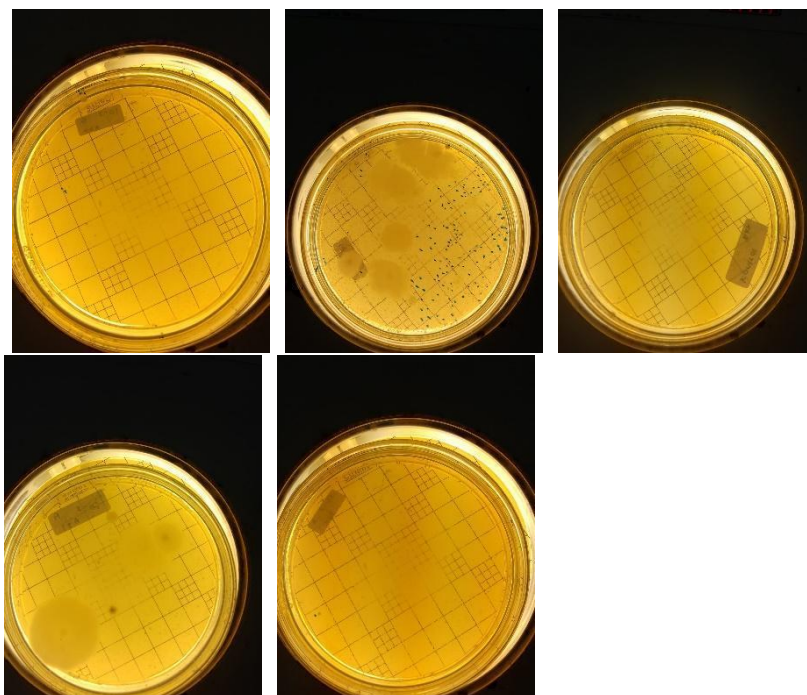


- **48 jam ALT**

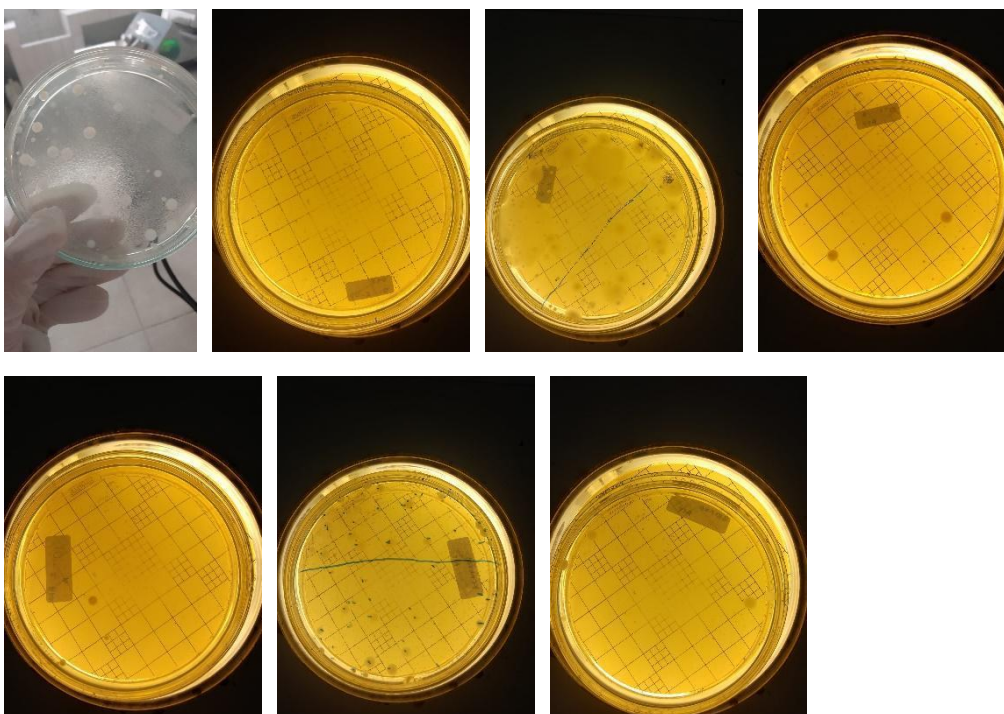


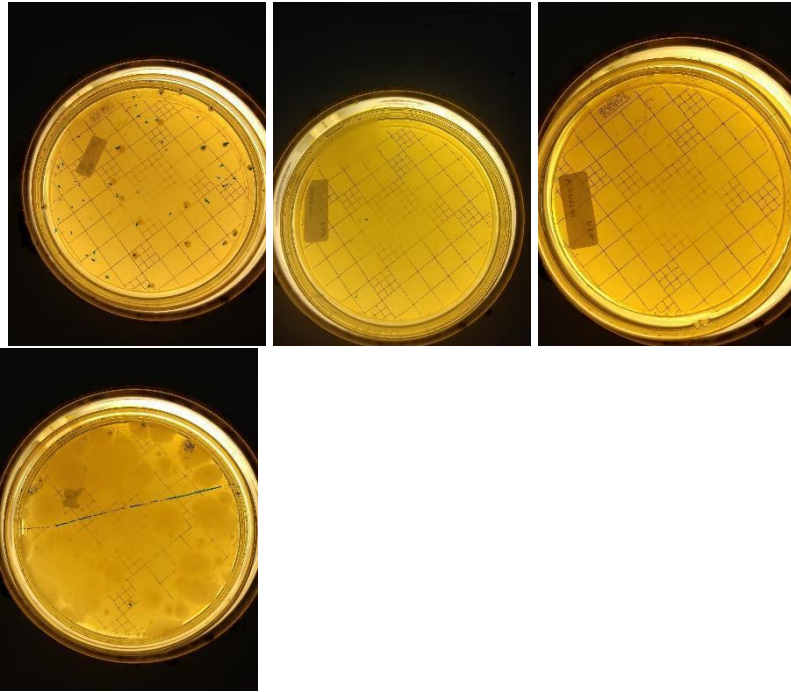
- 24 jam AKK



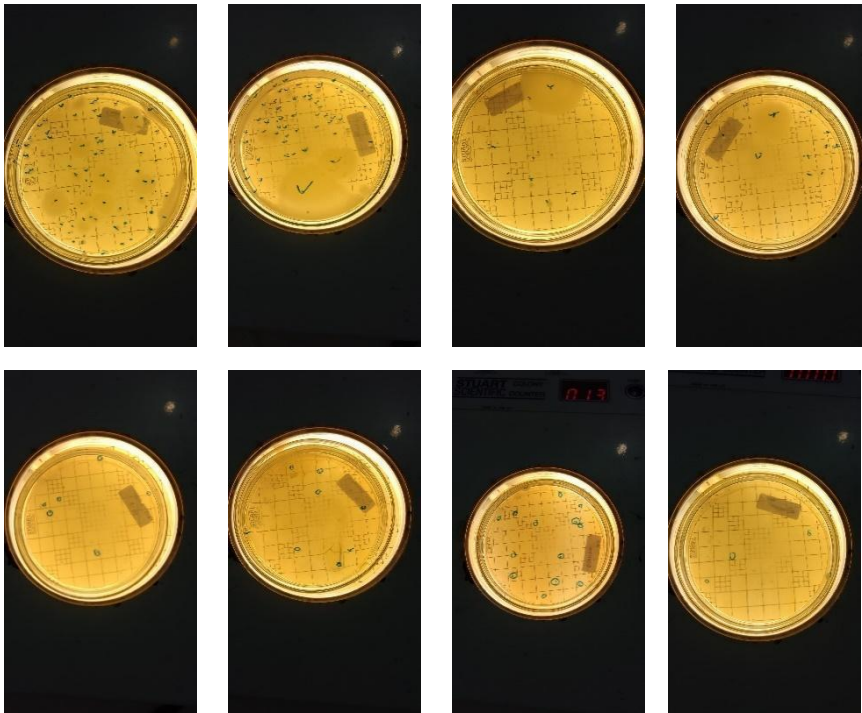


- 48 jam AKK

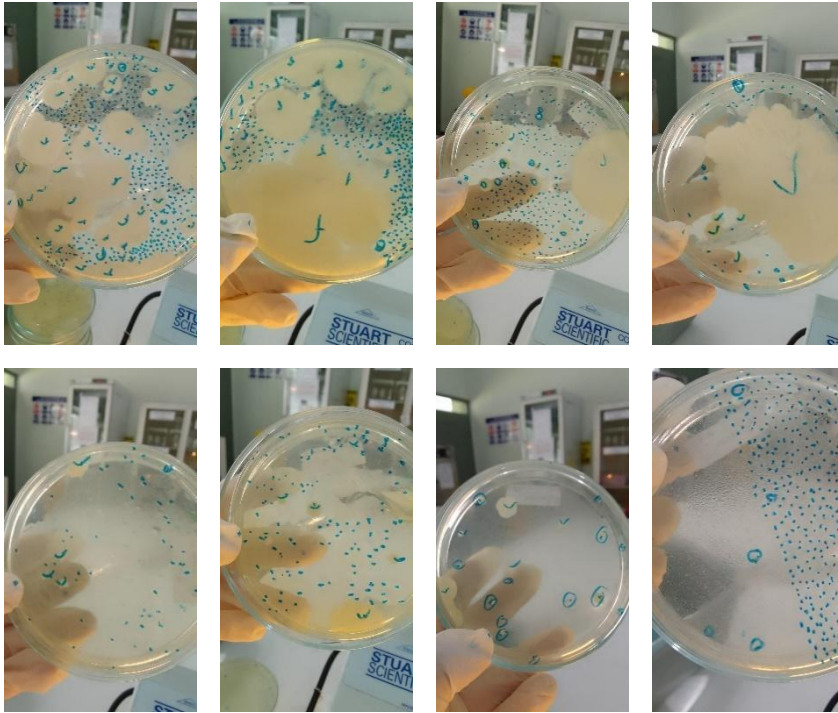




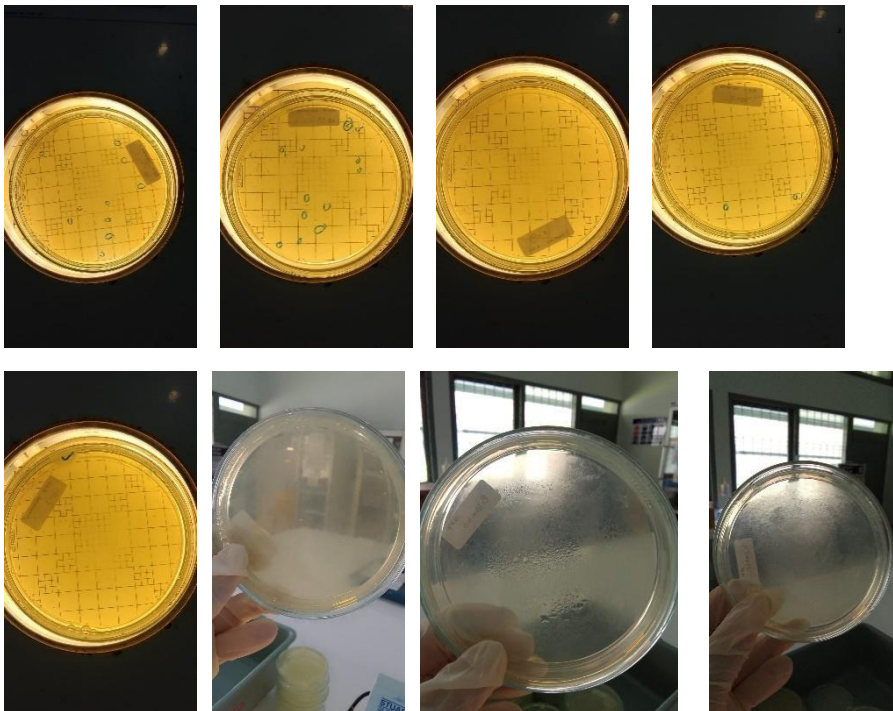
➤ **H+2 Bulan**
- 24 jam ALT



- 48 jam ALT



- 24 jam AKK



- 48 jam AKK

