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Lampiran

Tabel Lampiran A. Nilai *Total Plate Count* bakteri *Lactobacillus* sp. pada berbagai media pertumbuhan.

Media	Populasi <i>Lactobacillus</i> sp. (hari ke-)									
	(cfu/mL)									
	0	1	3	5	7	9	11	13	15	17
Kontrol	1x10 ⁶	1x10 ⁷	4x10 ⁷	5x10 ⁸	5x10 ⁸	3x10 ⁸	3x10 ⁸	4x10 ⁸	4x10 ⁸	3x10 ⁸
IPB RI-1	1x10 ⁶	1x10 ⁷	1x10 ⁹	9x10 ⁷	6x10 ⁸	8x10 ⁷	5x10 ⁷	5x10 ⁷	3x10 ⁷	1x10 ⁷
IPB RI-2	1x10 ⁶	4x10 ⁷	2x10 ⁷	6x10 ⁷	4x10 ⁷	5x10 ⁷	4x10 ⁷	4x10 ⁷	5x10 ⁷	8x10 ⁷
Labiota-1	1x10 ⁶	2x10 ⁷	1x10 ⁷	3x10 ⁸	9x10 ⁸	1x10 ⁹	1x10 ⁹	7x10 ⁸	7x10 ⁸	9x10 ⁸
Labiota-2	1x10 ⁶	1x10 ⁸	2x10 ⁸	4x10 ⁷	5x10 ⁸	7x10 ⁸	1x10 ⁹	3x10 ⁹	3x10 ⁹	6x10 ⁸
Labiota-3	1x10 ⁶	1x10 ⁷	6x10 ⁸	1x10 ⁹	1x10 ⁹	8x10 ⁸	1x10 ⁹	6x10 ⁸	8x10 ⁸	2x10 ⁹

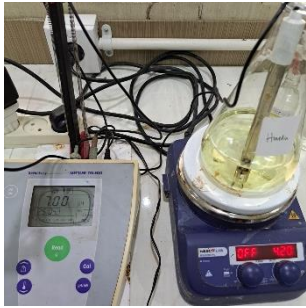
Tabel Lampiran B. Nilai *Total Plate Count* bakteri *Paenibacillus polymyxa* pada berbagai media pertumbuhan.

Media	Populasi <i>Paenibacillus polymyxa</i> (hari ke-)									
	(cfu/mL)									
	0	1	3	5	7	9	11	13	15	17
Kontrol	1x10 ⁶	3x10 ⁹	6x10 ⁹	5x10 ⁸	8x10 ⁸	4x10 ⁹	1x10 ⁹	2x10 ⁹	6x10 ⁷	0
IPB RI-1	1x10 ⁶	1x10 ⁹	3x10 ⁹	2x10 ⁸	6x10 ⁸	4x10 ⁹	2x10 ⁹	5x10 ⁹	1x10 ⁸	6x10 ⁸
IPB RI-2	1x10 ⁶	1x10 ⁷	6x10 ⁷	6x10 ⁸	6x10 ⁹	1x10 ⁹	1x10 ⁸	7x10 ⁸	6x10 ⁸	6x10 ⁸
Labiota-1	1x10 ⁶	1x10 ⁷	8x10 ⁸	1x10 ⁹	4x10 ⁹	2x10 ¹⁰	9x10 ⁸	4x10 ⁹	2x10 ⁹	7x10 ⁸
Labiota-2	1x10 ⁶	6x10 ⁹	7x10 ⁷	5x10 ⁸	5x10 ⁹	4x10 ⁹	2x10 ⁹	5x10 ⁹	2x10 ⁸	4x10 ⁸
Labiota-3	1x10 ⁶	8x10 ⁷	4x10 ⁹	3x10 ⁹	3x10 ⁹	3x10 ⁹	8x10 ⁸	4x10 ⁹	6x10 ⁸	7x10 ⁸

Tabel Lampiran C. Nilai *Total Plate Count* bakteri *Streptomyces* sp. pada berbagai media pertumbuhan.

Media	Populasi <i>Streptomyces</i> sp. (hari ke-)									
	(cfu/mL)									
	0	1	3	5	7	9	11	13	15	17
Kontrol	1x10 ⁶	2x10 ⁸	6x10 ⁸	4x10 ⁹	1x10 ¹⁰	6x10 ⁹	1x10 ⁹	7x10 ⁹	2x10 ⁹	1x10 ⁹
IPB RI-1	1x10 ⁶	4x10 ⁸	4x10 ⁸	4x10 ⁸	1x10 ⁹	2x10 ⁹	9x10 ⁸	1x10 ⁹	0	0
IPB RI-2	1x10 ⁶	3x10 ⁹	4x10 ⁸	2x10 ⁸	3x10 ⁸	3x10 ⁸	3x10 ⁷	2x10 ⁸	9x10 ⁷	2x10 ⁸
Labiota-1	1x10 ⁶	4x10 ⁹	6x10 ⁸	2x10 ⁹	9x10 ⁹	8x10 ⁹	2x10 ⁹	1x10 ⁷	2x10 ⁹	2x10 ⁹
Labiota-2	1x10 ⁶	2x10 ⁸	1x10 ⁹	5x10 ⁸	2x10 ⁸	1x10 ⁹	1x10 ⁷	6x10 ⁷	4x10 ⁷	9x10 ⁷
Labiota-3	1x10 ⁶	1x10 ⁹	7x10 ⁸	4x10 ⁸	3x10 ⁹	2x10 ⁹	3x10 ⁹	3x10 ⁹	6x10 ⁸	9x10 ⁸

Gambar Lampiran A. Prosedur pembuatan dan pengenceran media alternatif bakteri *Lactobacillus* sp.



Gambar A1. Media *Nutrient Broth* (kontrol)



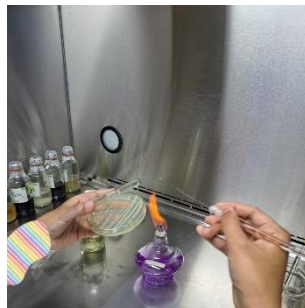
Gambar A2. Media alternatif Labiota-2



Gambar A3. Media *Nutrient Broth* sebelum diinokulasi



Gambar A4. Media alternatif sebelum diinokulasi



Gambar A5. Pengambilan isolat *Lactobacillus* sp.



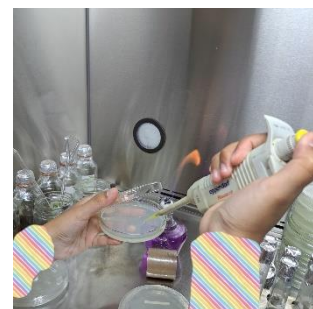
Gambar A6. Inokulasi *Lactobacillus* sp.



Gambar A7. Proses pengenceran hari ke-1



Gambar A8. Proses pengenceran hari ke-7

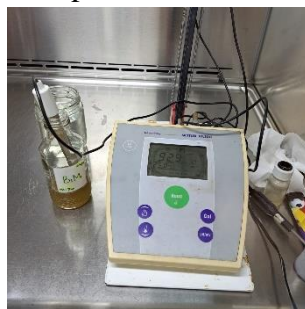


Gambar A9. Proses pengenceran hari ke-17

Gambar Lampiran B. Pengukuran pH media dan pengamatan jumlah koloni bakteri *Lactobacillus* sp.



Gambar B2. pH media hari ke-7 setelah inokulasi



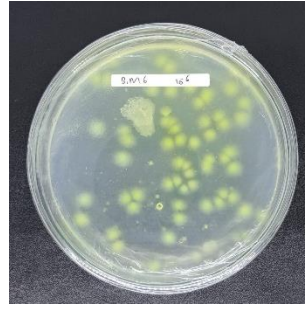
Gambar B2. pH media hari ke-17 setelah inokulasi



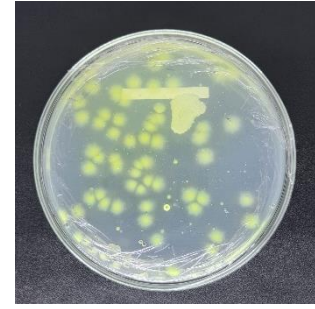
Gambar B3. Perbandingan media instan *Nutrient Broth* yang telah diinokulasi



Gambar B4. Perbandingan media Labiota-3 yang telah diinokulasi

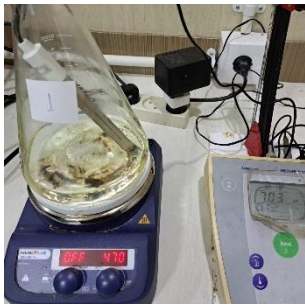


Gambar B5. Pertumbuhan *Lactobacillus* sp. tampak depan



Gambar B5. *Lactobacillus* sp. tampak belakang

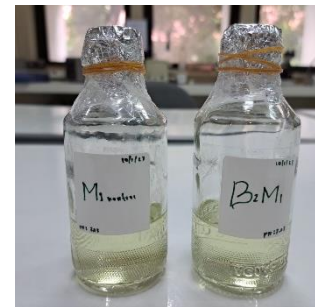
Gambar Lampiran C. Prosedur pembuatan dan pengenceran media alternatif bakteri *Paenibacillus polymyxa*.



Gambar C1. Media *Nutrient Broth* (kontrol)



Gambar C2. Media alternatif Labiota-3



Gambar C3. Media *Nutrient Broth* sebelum diinokulasi *P. polymyxa*



Gambar C4. Media alternatif sebelum diinokulasi *P. polymyxa*



Gambar C5. Pengambilan isolat *P. polymyxa*



Gambar C6. Inokulasi *P. polymyxa*



Gambar C7. Proses pengenceran hari ke-1

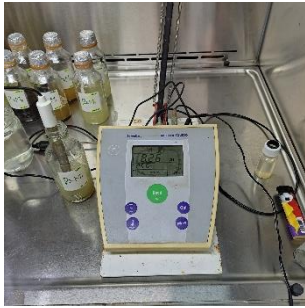


Gambar C8. Proses pengenceran hari ke-7



Gambar C9. Proses pengenceran hari ke-17

Gambar Lampiran D. Pengukuran pH media dan pengamatan jumlah koloni bakteri *Paenibacillus polymyxa*.



Gambar D2. pH media hari ke-7 setelah inokulasi



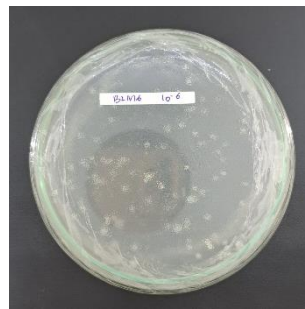
Gambar D2. pH media hari ke-17 setelah inokulasi



Gambar D3. Perbandingan media *Nutrient Broth* yang telah diinokulasi



Gambar D4. Perbandingan media Labiota-3 yang telah diinokulasi



Gambar D5. Pertumbuhan *P. polymyxa* tampak depan



Gambar D5. Pertumbuhan *P. polymyxa* tampak belakang

Gambar Lampiran E. Prosedur pembuatan dan pengenceran media alternatif bakteri *Streptomyces* sp.



Gambar E1. Media *Nutrient Broth* (kontrol)



Gambar E2. Media alternatif Labiota-1



Gambar E3. Media *Nutrient Broth* sebelum inokulasi *Streptomyces* sp.



Gambar E4. Media alternatif sebelum diinokulasi *Streptomyces* sp.



Gambar E5. Pengambilan isolat *Streptomyces* sp.



Gambar E6. Inokulasi *Streptomyces* sp.



Gambar E7. Proses pengenceran hari ke-1



Gambar E8. Proses pengenceran hari ke-7



Gambar E9. Proses pengenceran hari ke-17

Gambar Lampiran F. Pengukuran pH media dan pengamatan jumlah koloni bakteri *Streptomyces* sp.



Gambar F2. pH media hari ke-7 setelah inokulasi



Gambar F2. pH media hari ke-17 setelah inokulasi



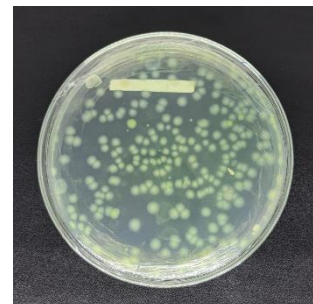
Gambar F3. Perbandingan media instan yang telah diinokulasi



Gambar F4. Perbandingan media Labiota-1 yang telah diinokulasi



Gambar F5. Pertumbuhan *Streptomyces* sp. tampak depan



Gambar F5. Pertumbuhan *Streptomyces* sp. tampak belakang