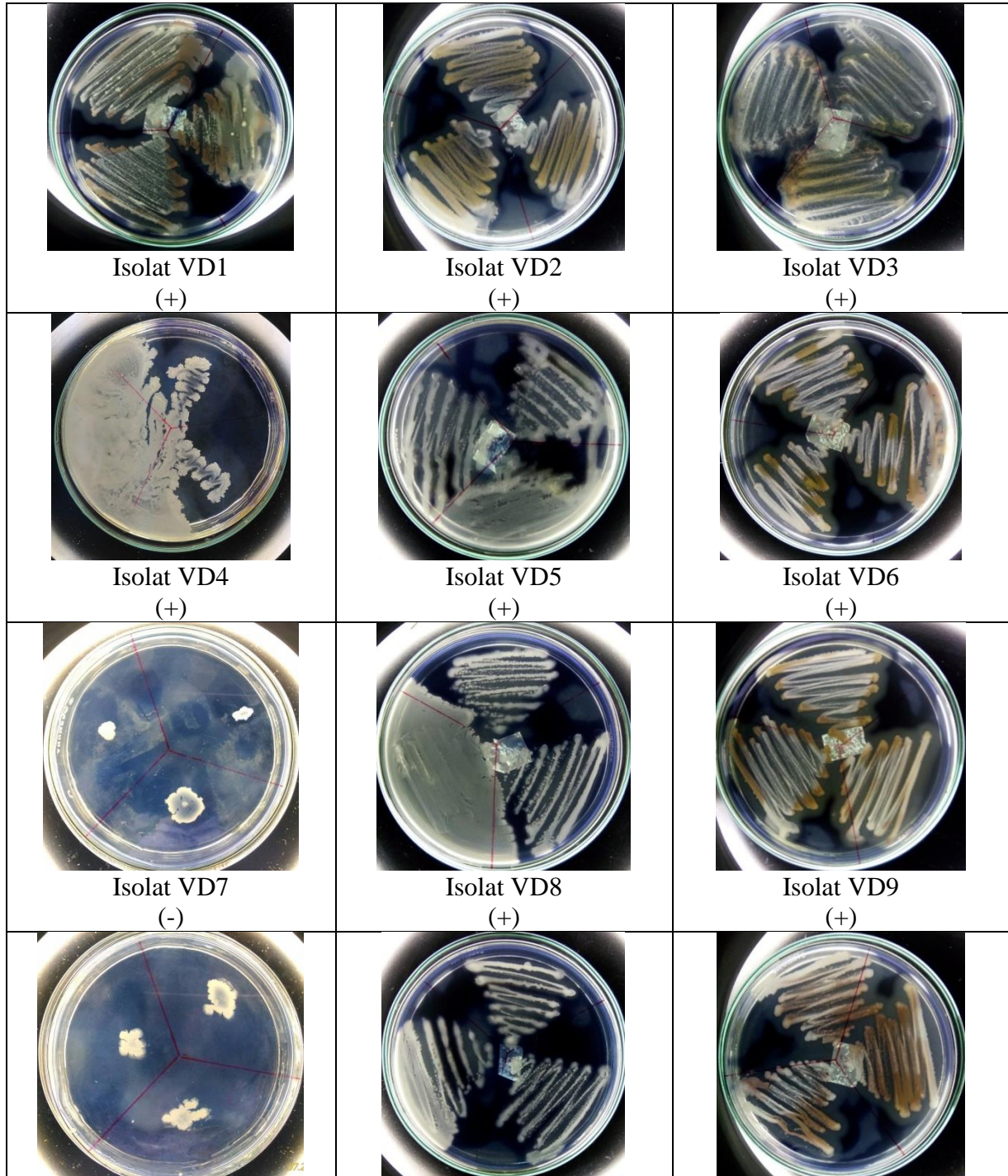
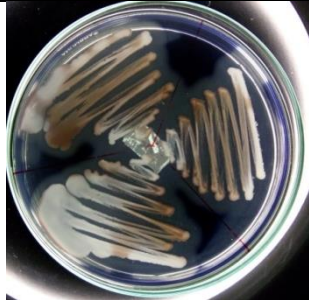


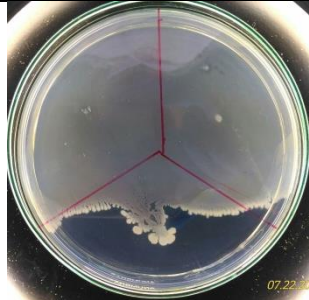

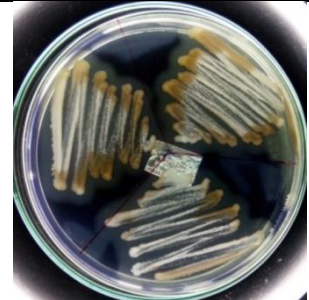
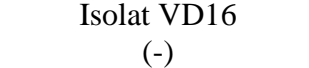
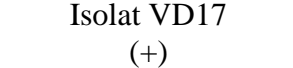
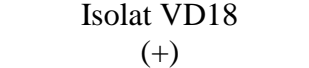


LAMPIRAN 6

Dokumentasi Hasil Uji Biokimia Bakteri Endofit Daun *Vetiveria zizanioides* (Wild Type)

A. Uji Hidrolisis Pati

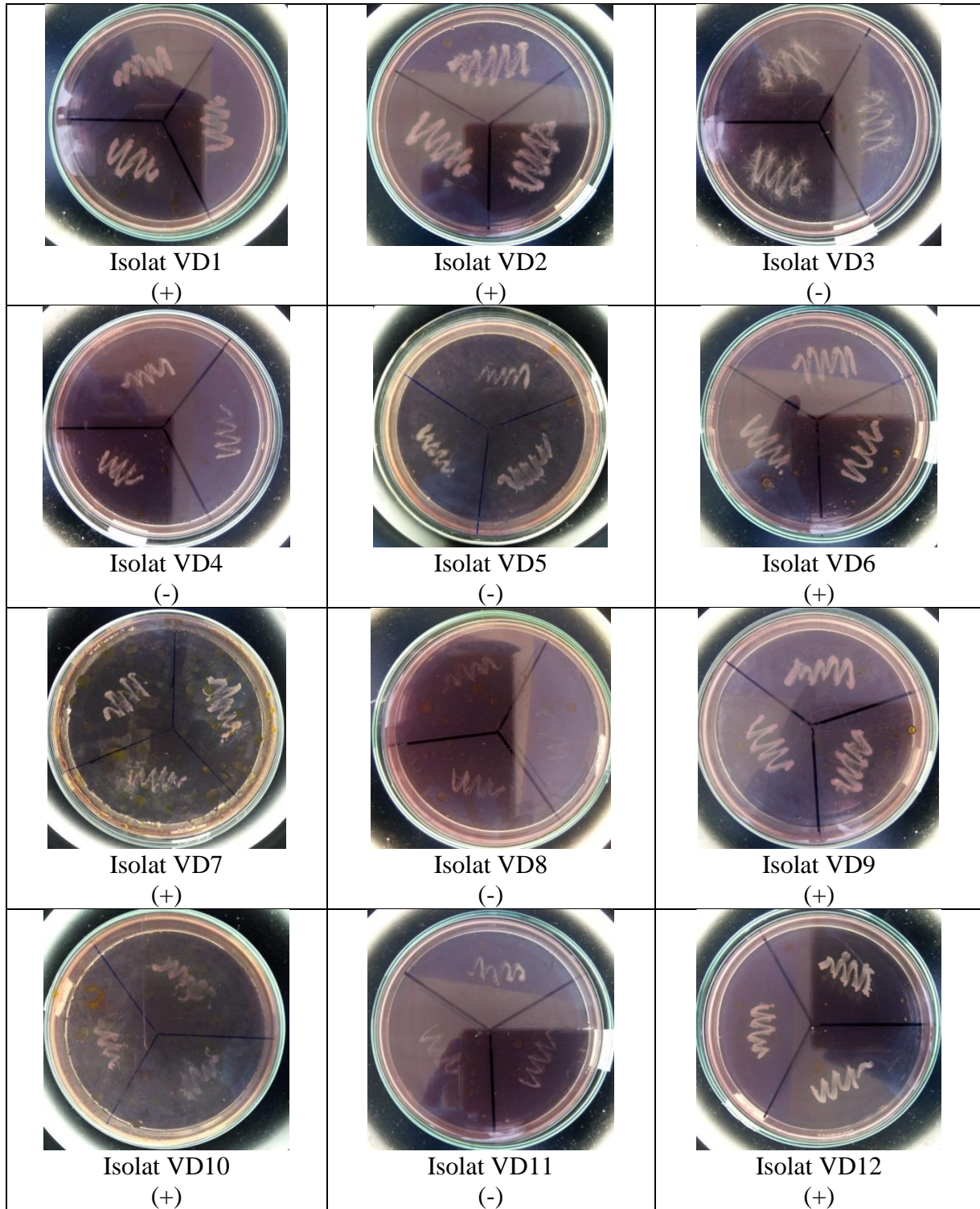


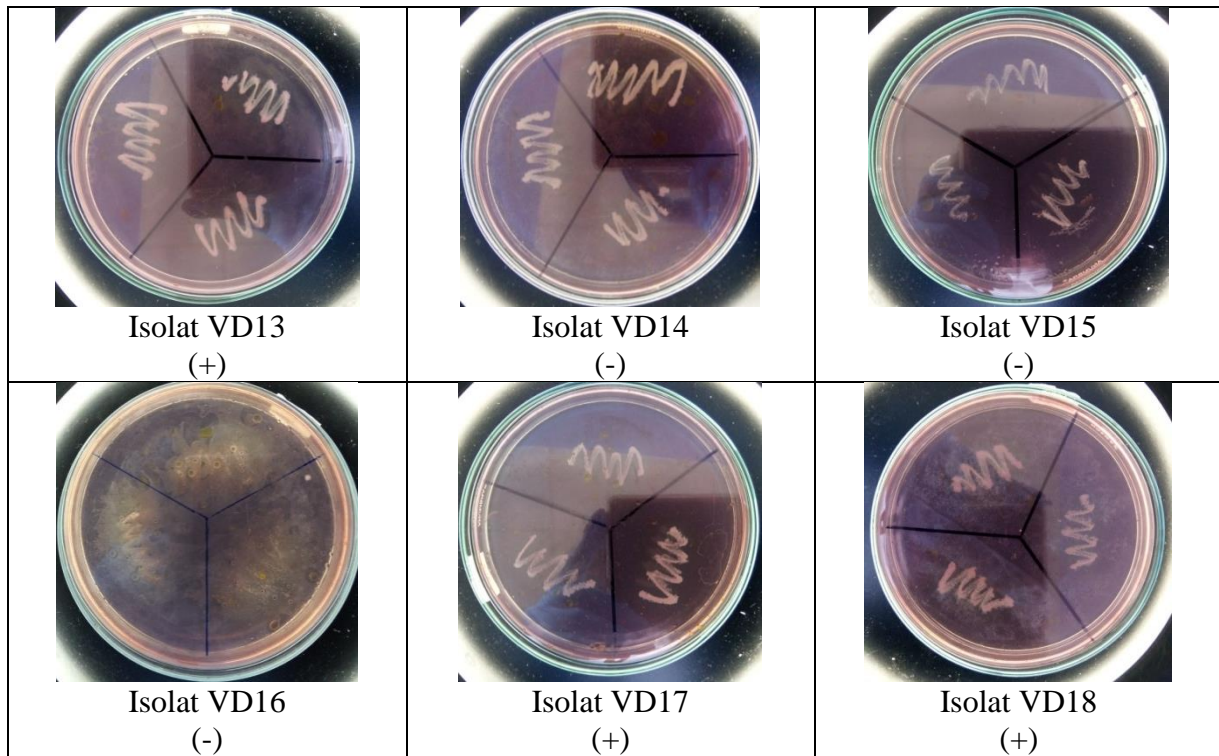
Isolat VD10 (-)	Isolat VD11 (+)	Isolat VD12 (+)
		
Isolat VD13 (+)	Isolat VD14 (+)	Isolat VD15 (+)
		
Isolat VD16 (-)	Isolat VD17 (+)	Isolat VD18 (+)
		

Keterangan:

(+) : Hasil positif, isolat dapat menghidrolisis pati

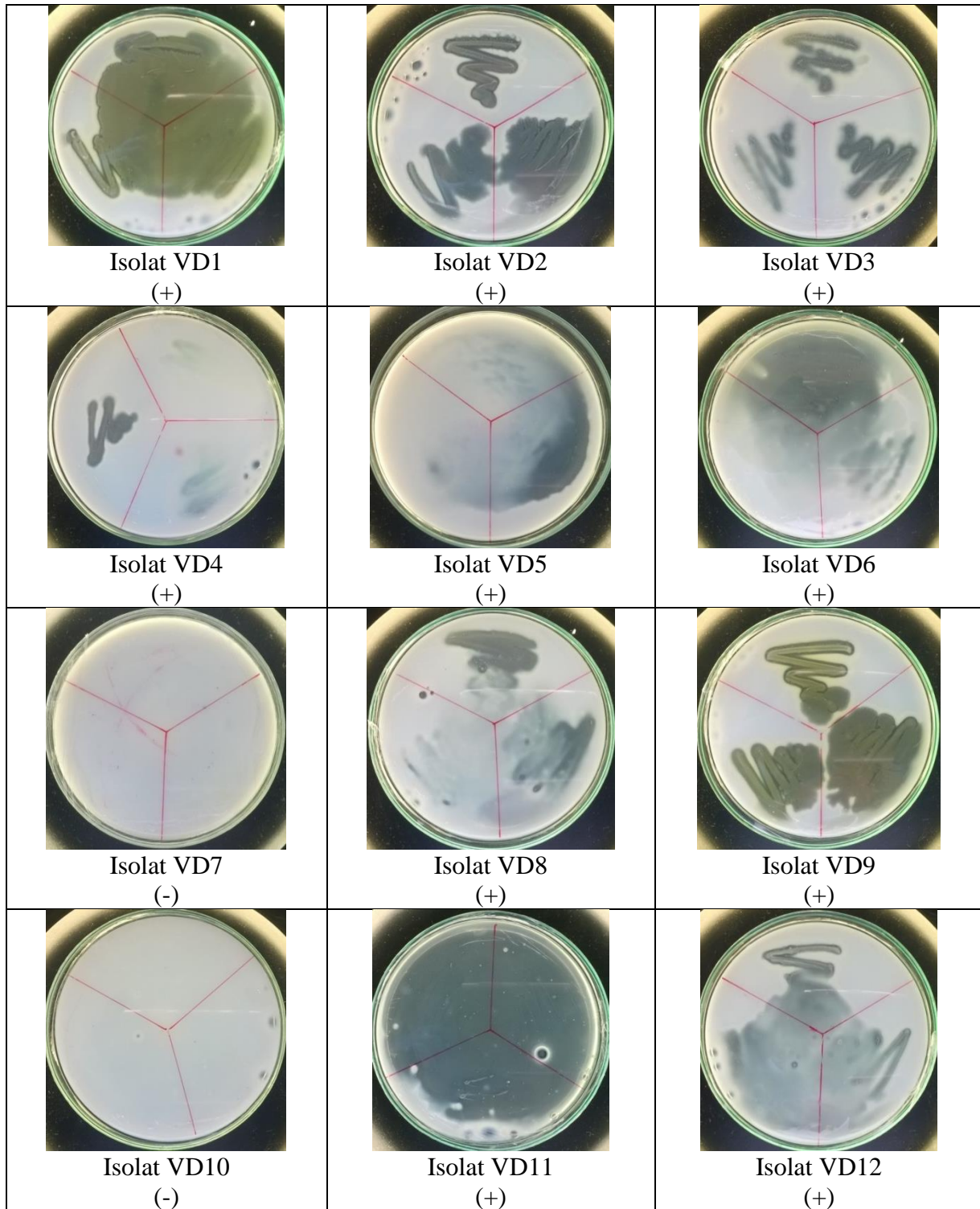
(-) : Hasil negatif, isolat tidak dapat menghidrolisis pati

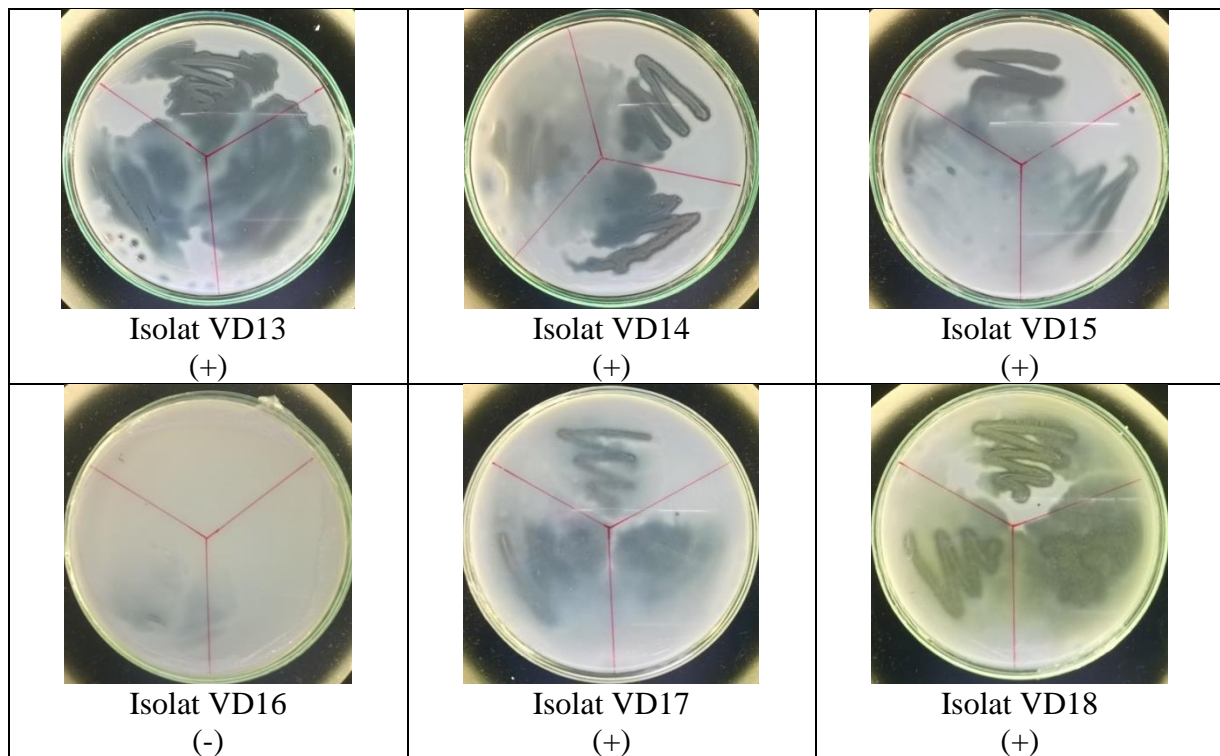
B. Uji Hidrolisis Lipid

**Keterangan:**

(+) : Hasil positif, isolat dapat menghidrolisis lipid

(-) : Hasil negatif, isolat tidak dapat menghidrolisis lipid

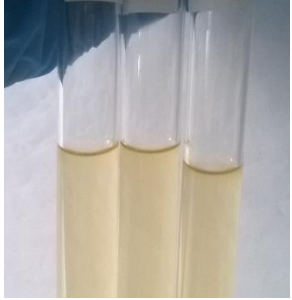

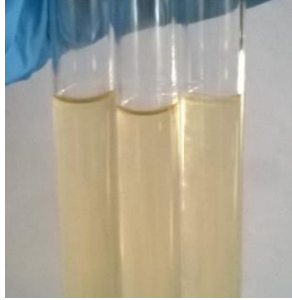

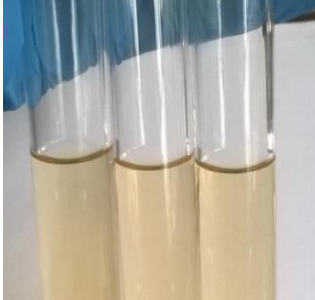
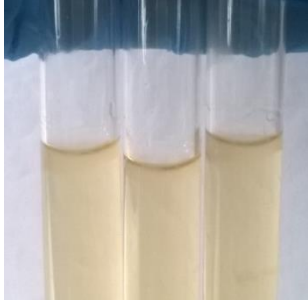
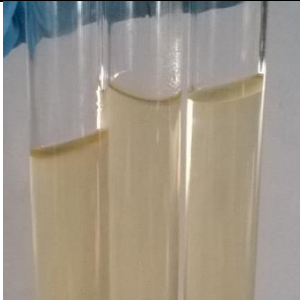
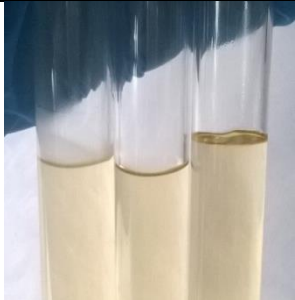
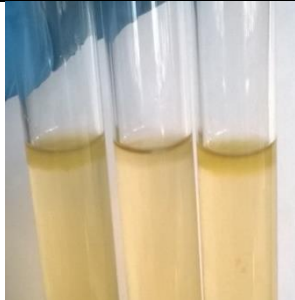
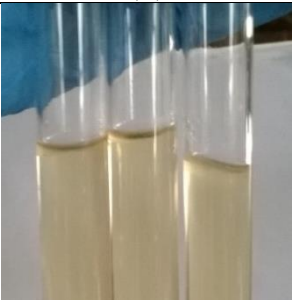
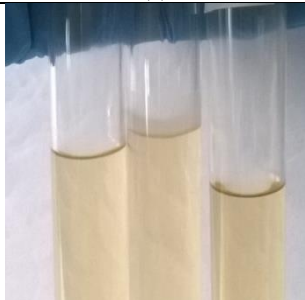
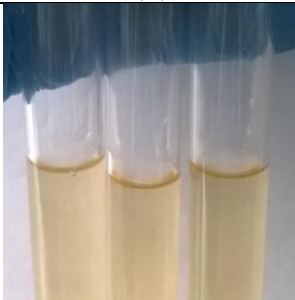
C. Uji Hidrolisis Kasein

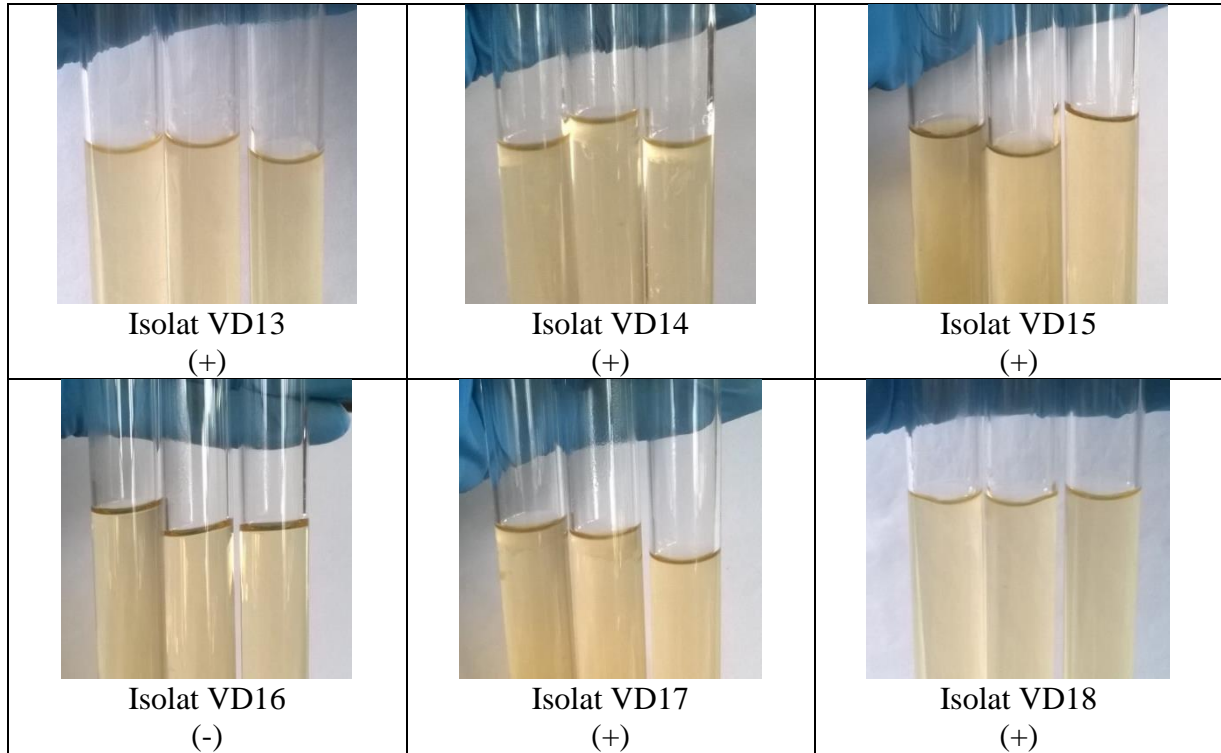
**Keterangan:**

(+) : Hasil positif, isolat dapat menghidrolisis kasein

(-) : Hasil negatif, isolat tidak dapat menghidrolisis kasein

D. Uji Hidrolisis Gelatin





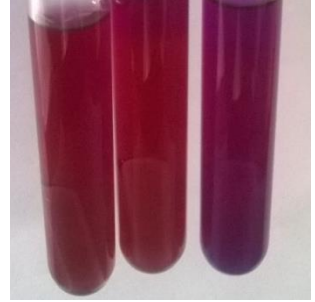







 <p>Isolat VD1 (+)</p>	 <p>Isolat VD2 (+)</p>	 <p>Isolat VD3 (+)</p>
 <p>Isolat VD4 (+)</p>	 <p>Isolat VD5 (+)</p>	 <p>Isolat VD6 (-)</p>
 <p>Isolat VD7 (+)</p>	 <p>Isolat VD8 (-)</p>	 <p>Isolat VD9 (+)</p>
 <p>Isolat VD10 (-)</p>	 <p>Isolat VD11 (-)</p>	 <p>Isolat VD12 (+)</p>

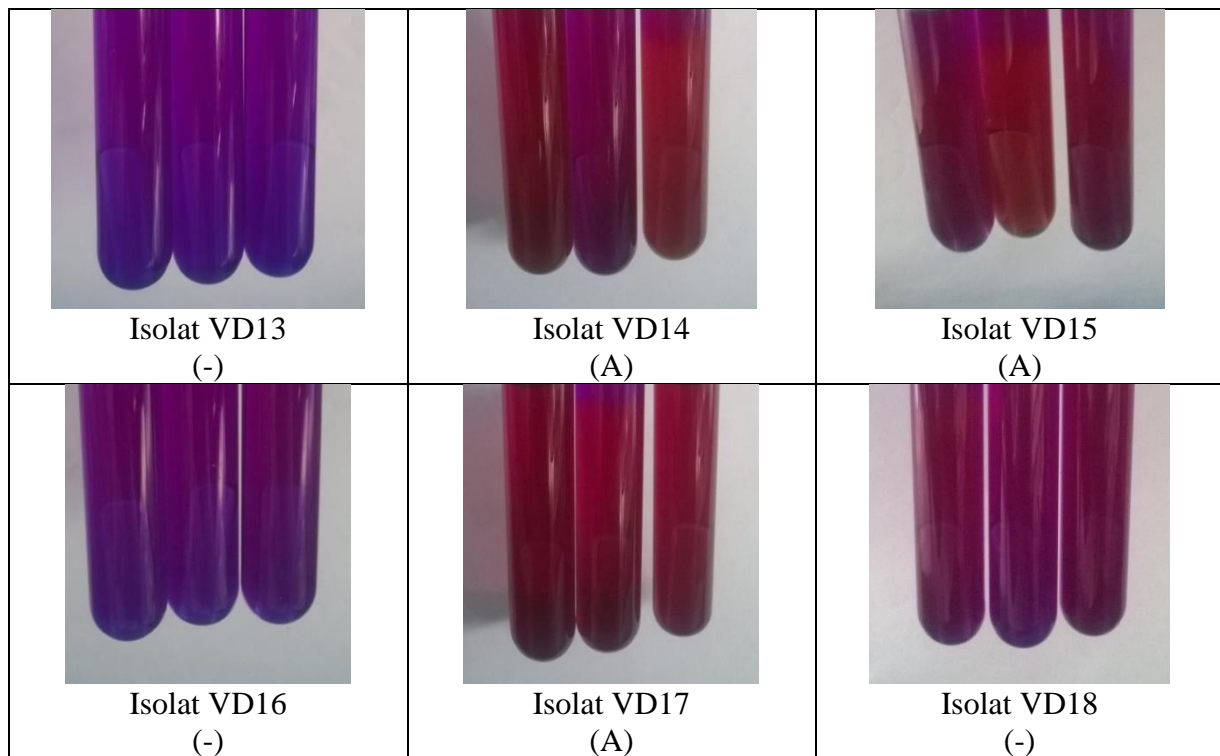
**Keterangan:**

(+) : Hasil positif, isolat dapat menghidrolisis gelatin

(-) : Hasil negatif, isolat tidak dapat menghidrolisis gelatin

E. Uji Fermentasi Laktosa













 <p>Isolat VD1 (-)</p>	 <p>Isolat VD2 (-)</p>	 <p>Isolat VD3 (-)</p>
 <p>Isolat VD4 (A)</p>	 <p>Isolat VD5 (A)</p>	 <p>Isolat VD6 (-)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (A)</p>	 <p>Isolat VD9 (-)</p>
 <p>Isolat VD10 (A)</p>	 <p>Isolat VD11 (A)</p>	 <p>Isolat VD12 (-)</p>

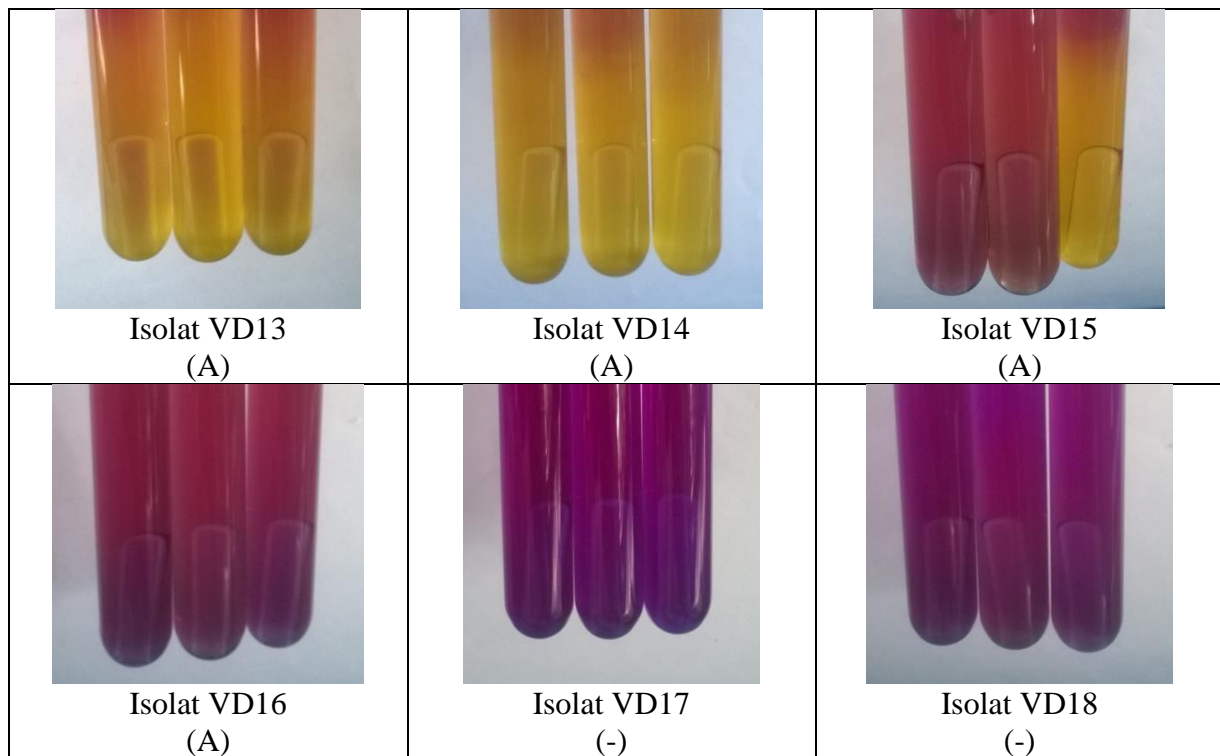
**Keterangan:**

(A) : Isolat dapat memfermentasi laktosa (menghasilkan asam)

(-) : Isolat tidak dapat memfermentasi laktosa

F. Uji Fermentasi Sukrosa

 <p>Isolat VD1 (-)</p>	 <p>Isolat VD2 (A)</p>	 <p>Isolat VD3 (A)</p>
 <p>Isolat VD4 (A)</p>	 <p>Isolat VD5 (A)</p>	 <p>Isolat VD6 (A)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (A)</p>	 <p>Isolat VD9 (AG)</p>
 <p>Isolat VD10 (-)</p>	 <p>Isolat VD11 (A)</p>	 <p>Isolat VD12 (A)</p>













**Keterangan:**

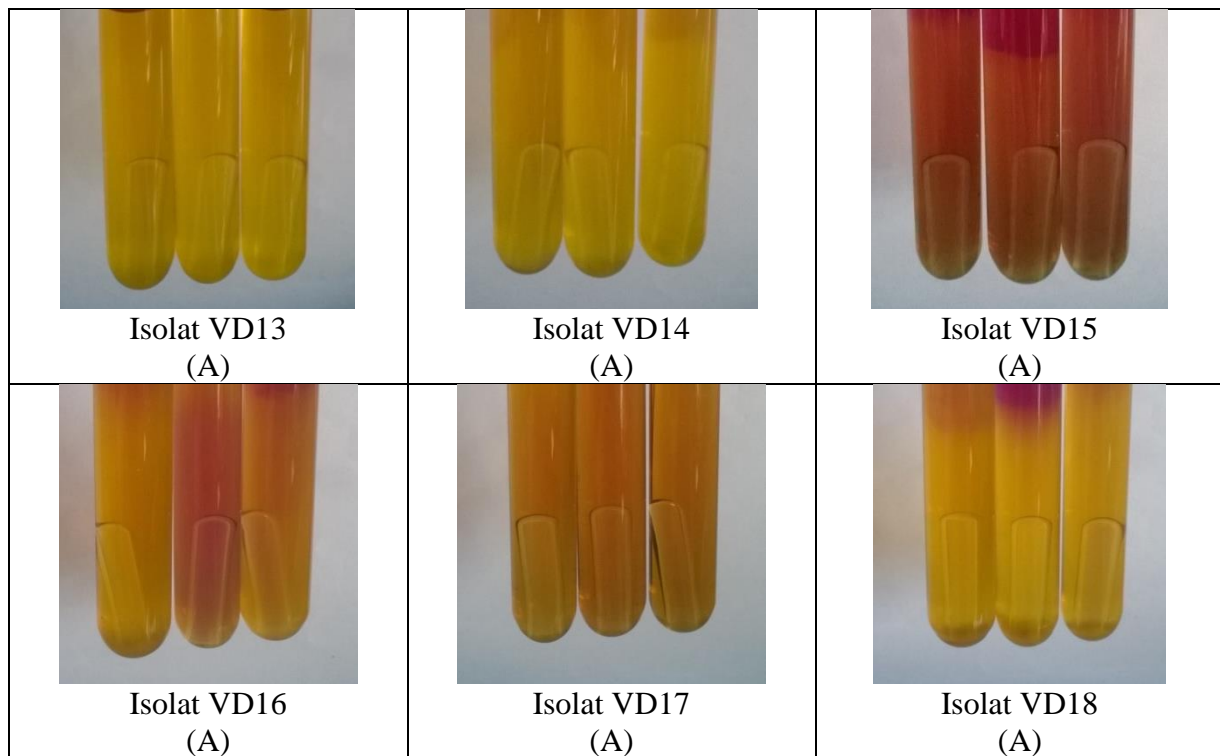
(A) : Isolat dapat memfermentasi sukrosa (menghasilkan asam)

(AG) : Isolat dapat memfermentasi sukrosa (menghasilkan asam dan gas)

(-) : Isolat tidak dapat memfermentasi sukrosa

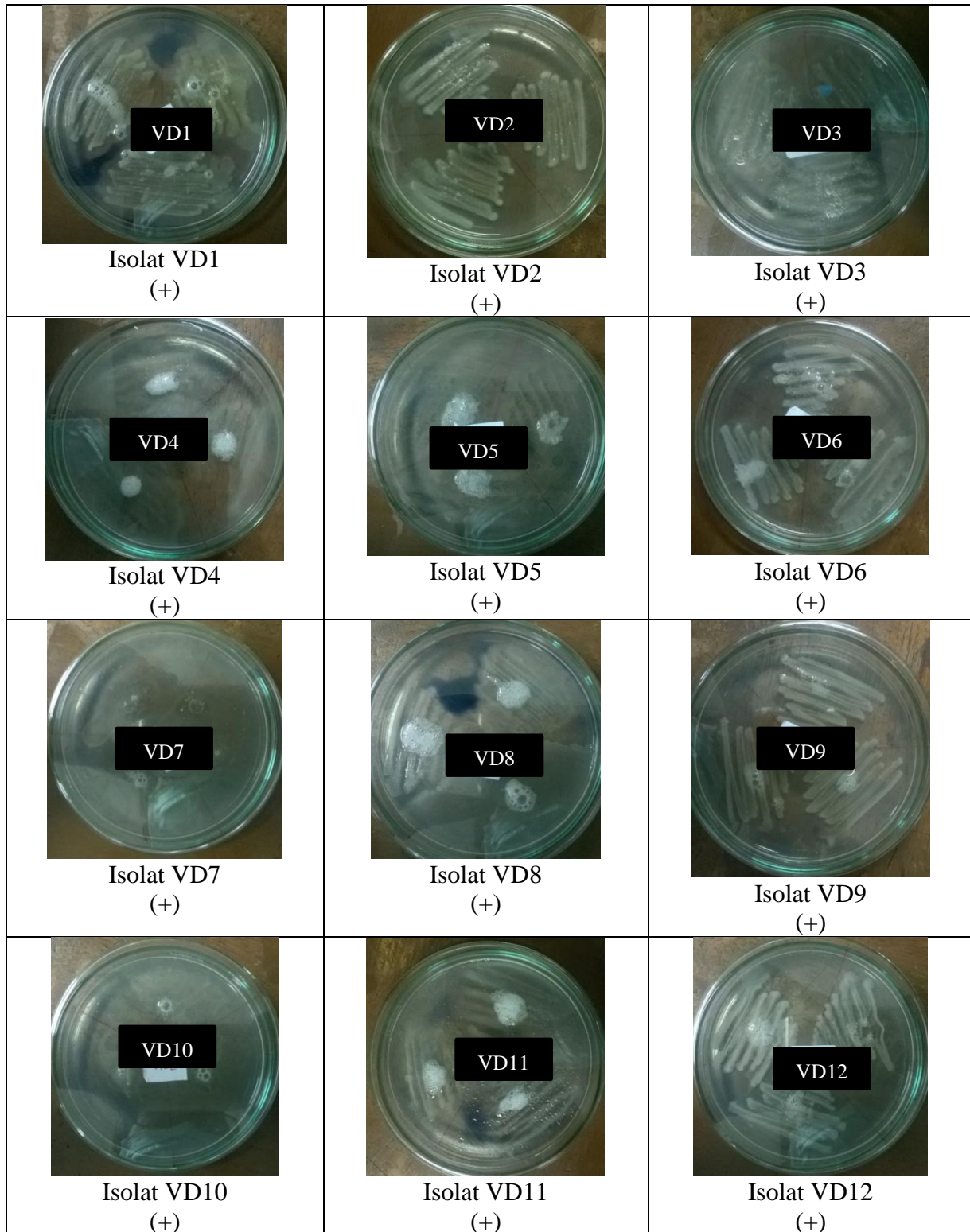
G. Uji Fermentasi Dekstrosa

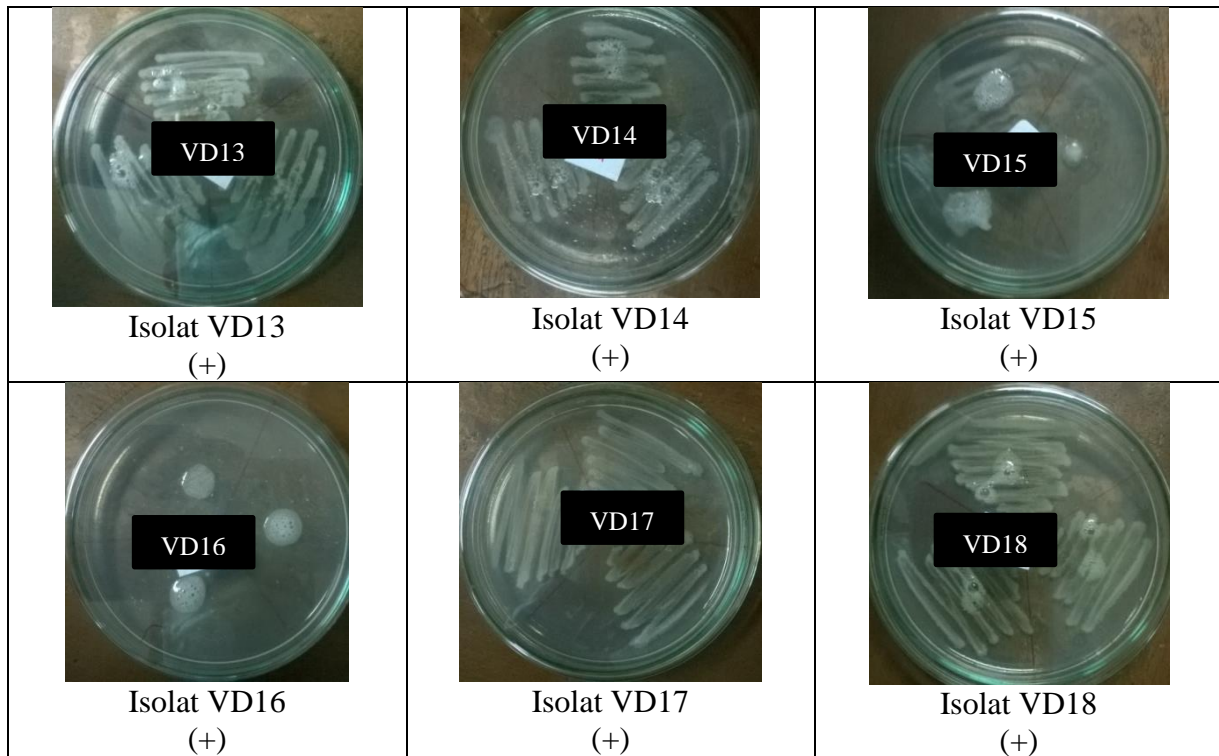
 <p>Isolat VD1 (A)</p>	 <p>Isolat VD2 (A)</p>	 <p>Isolat VD3 (A)</p>
 <p>Isolat VD4 (A)</p>	 <p>Isolat VD5 (A)</p>	 <p>Isolat VD6 (A)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (A)</p>	 <p>Isolat VD9 (A)</p>
 <p>Isolat VD10 (A)</p>	 <p>Isolat VD11 (A)</p>	 <p>Isolat VD12 (A)</p>

**Keterangan:**

(A) : Isolat dapat memfermentasi dekstroza (menghasilkan asam)

(-) : Isolat tidak dapat memfermentasi dekstroza


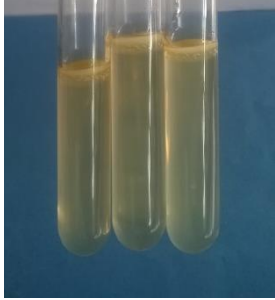
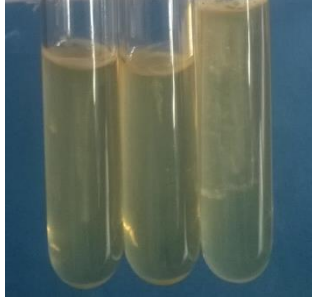
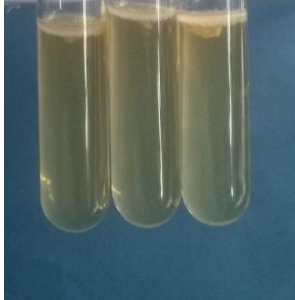

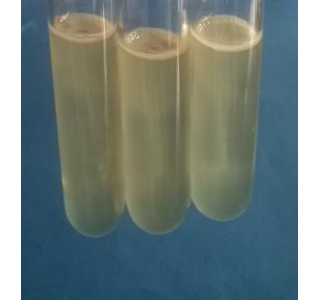
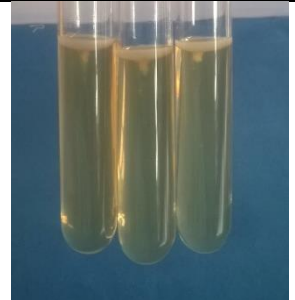
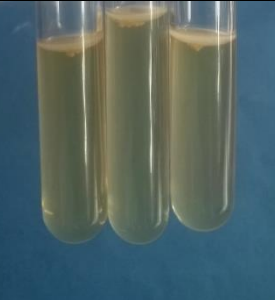

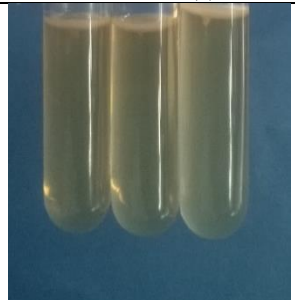
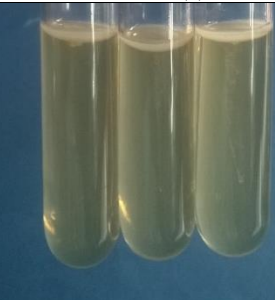
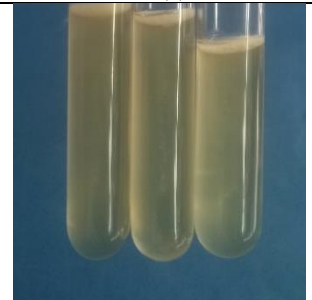
H. Uji Katalase

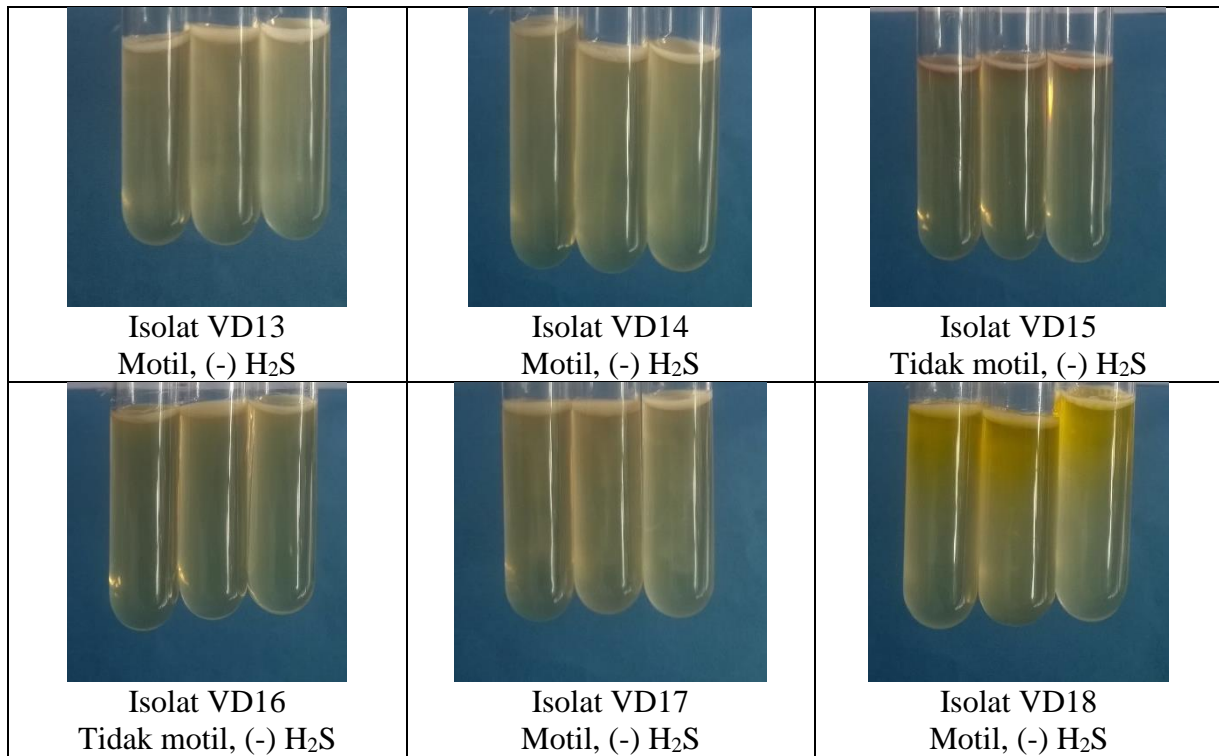
**Keterangan:**

(+) : Hasil positif, isolat dapat menghasilkan enzim katalase


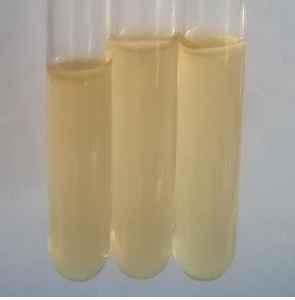

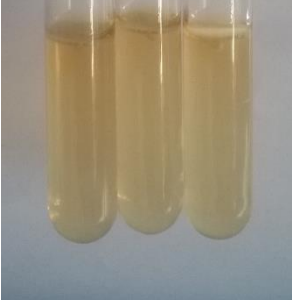

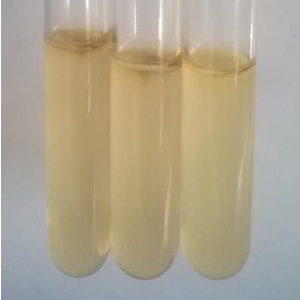
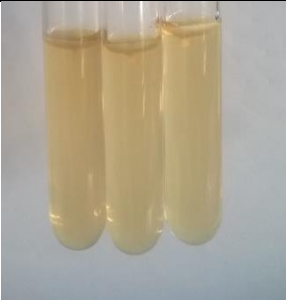





(-) : Hasil negatif, isolat tidak dapat menghasilkan enzim katalase

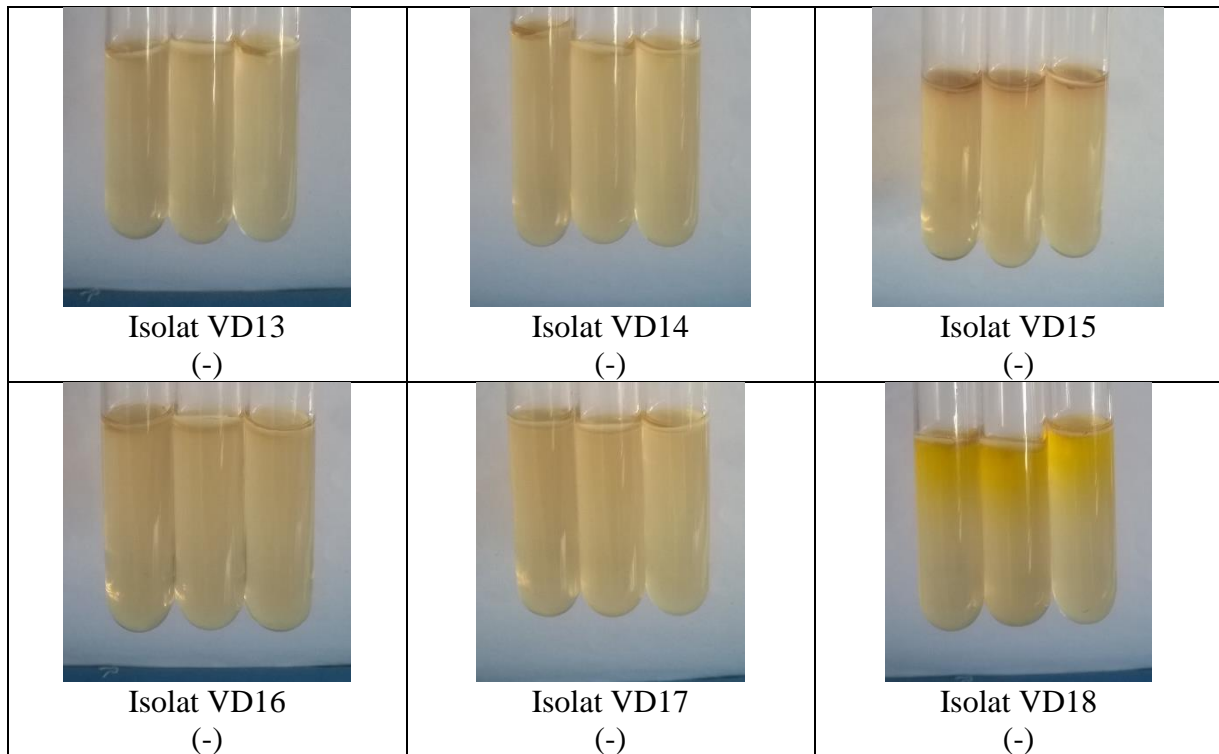
I. Uji Motilitas dan Produksi H₂S

 <p>Isolat VD1 Motil, (-) H₂S</p>	 <p>Isolat VD2 Motil, (-) H₂S</p>	 <p>Isolat VD3 Motil, (-) H₂S</p>
 <p>Isolat VD4 Tidak motil, (-) H₂S</p>	 <p>Isolat VD5 Tidak motil, (-) H₂S</p>	 <p>Isolat VD6 Motil, (-) H₂S</p>
 <p>Isolat VD7 Tidak motil, (-) H₂S</p>	 <p>Isolat VD8 Tidak motil, (-) H₂S</p>	 <p>Isolat VD9 Motil, (-) H₂S</p>
 <p>Isolat VD10 Tidak motil, (-) H₂S</p>	 <p>Isolat VD11 Tidak motil, (-) H₂S</p>	 <p>Isolat VD12 Motil, (-) H₂S</p>



J. Uji Indol













 <p>Isolat VD1 (-)</p>	 <p>Isolat VD2 (-)</p>	 <p>Isolat VD3 (+)</p>
 <p>Isolat VD4 (-)</p>	 <p>Isolat VD5 (-)</p>	 <p>Isolat VD6 (-)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (-)</p>	 <p>Isolat VD9 (-)</p>
 <p>Isolat VD10 (-)</p>	 <p>Isolat VD11 (-)</p>	 <p>Isolat VD12 (-)</p>

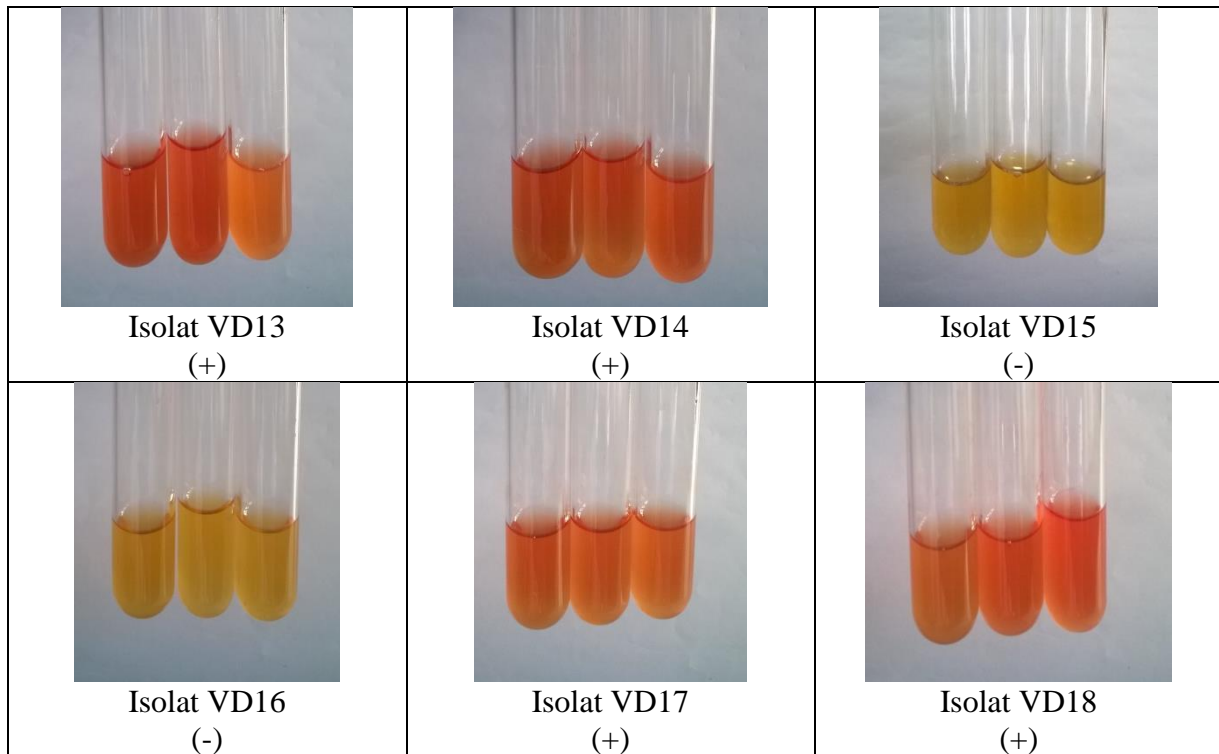
**Keterangan:**

(+) : Hasil positif, isolat dapat menghasilkan indol

(-) : Hasil negatif, isolat tidak dapat menghasilkan indol

K. Uji Methyl Red













 <p>Isolat VD1 (+)</p>	 <p>Isolat VD2 (+)</p>	 <p>Isolat VD3 (+)</p>
 <p>Isolat VD4 (-)</p>	 <p>Isolat VD5 (-)</p>	 <p>Isolat VD6 (+)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (-)</p>	 <p>Isolat VD9 (+)</p>
 <p>Isolat VD10 (-)</p>	 <p>Isolat VD11 (-)</p>	 <p>Isolat VD12 (+)</p>

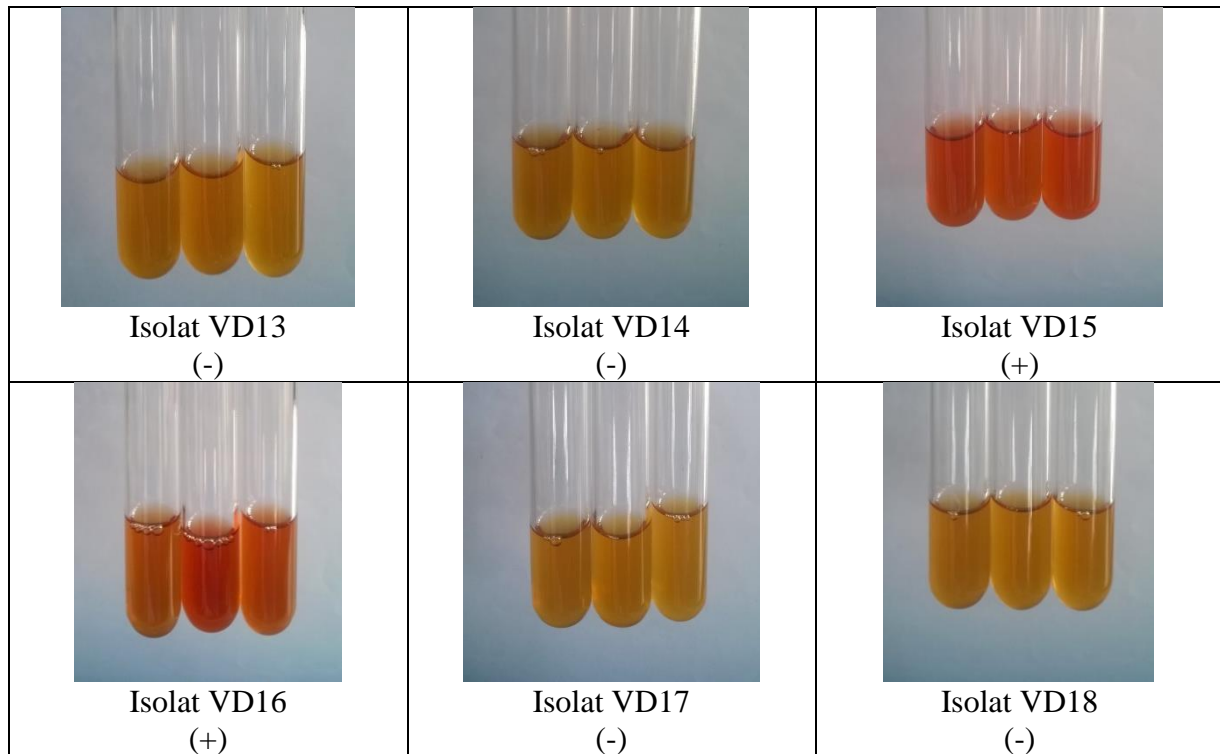
**Keterangan:**

(+) : Hasil positif, isolat dapat menghasilkan asam organik

(-) : Hasil negatif, isolat tidak dapat menghasilkan asam organik

L. Uji Voges Proskauer


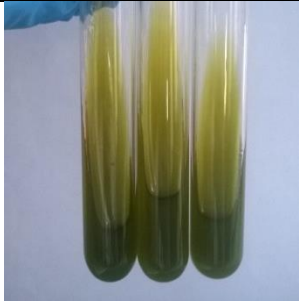










 <p>Isolat VD1 (-)</p>	 <p>Isolat VD2 (-)</p>	 <p>Isolat VD3 (-)</p>
 <p>Isolat VD4 (+)</p>	 <p>Isolat VD5 (+)</p>	 <p>Isolat VD6 (+)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (+)</p>	 <p>Isolat VD9 (-)</p>
 <p>Isolat VD10 (-)</p>	 <p>Isolat VD11 (+)</p>	 <p>Isolat VD12 (-)</p>

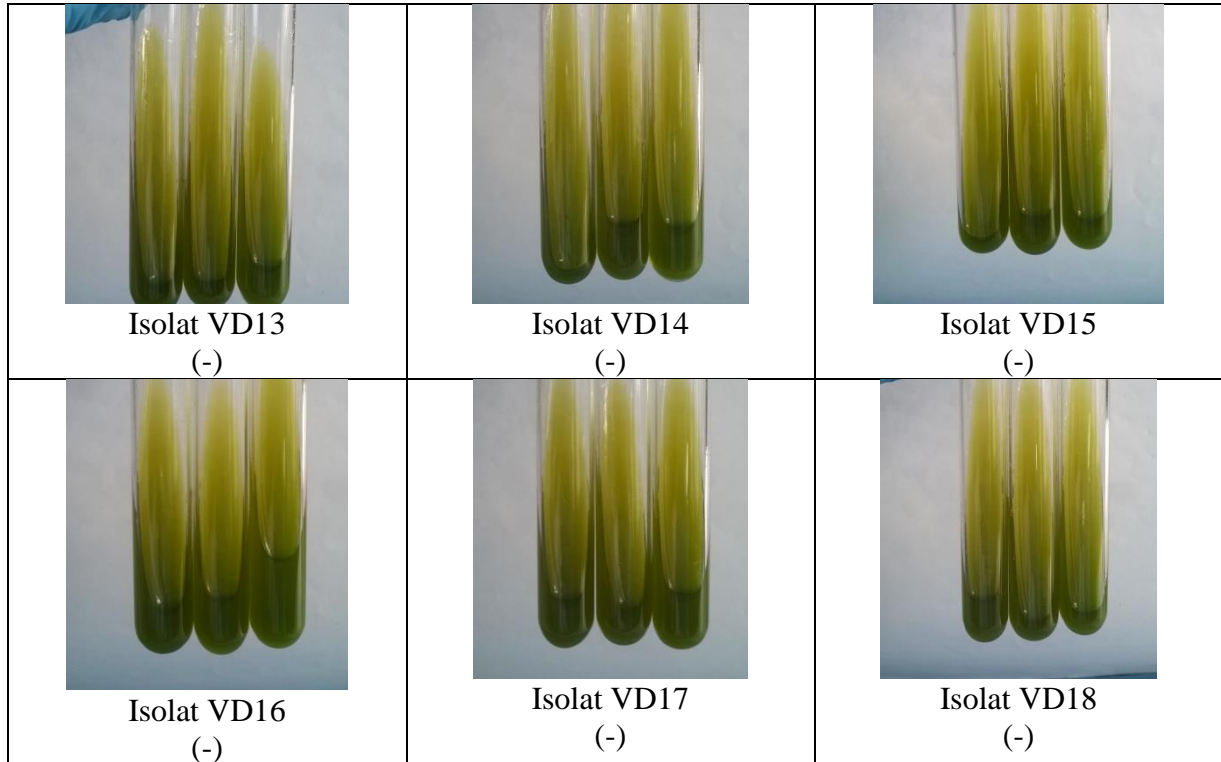
**Keterangan:**

(+) : Hasil positif, isolat dapat memproduksi hasil metabolisme glukosa yang tidak bersifat asam (produk akhir netral)

(-) : Hasil negatif, isolat tidak dapat memproduksi hasil metabolisme glukosa yang tidak bersifat asam (produk akhir netral)

M. Uji Sitrat (Simmons' Citrate)

 <p>Isolat VD1 (-)</p>	 <p>Isolat VD2 (-)</p>	 <p>Isolat VD3 (-)</p>
 <p>Isolat VD4 (-)</p>	 <p>Isolat VD5 (-)</p>	 <p>Isolat VD6 (-)</p>
 <p>Isolat VD7 (-)</p>	 <p>Isolat VD8 (-)</p>	 <p>Isolat VD9 (-)</p>
 <p>Isolat VD10 (-)</p>	 <p>Isolat VD11 (-)</p>	 <p>Isolat VD12 (-)</p>

**Keterangan:**

(-) : Hasil negatif, isolat tidak mampu menggunakan sitrat sebagai sumber karbon