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## Lampiran

Lampiran 1. Alat yang digunakan



Jaring



Cool Box



Papan preparat



Gloves



Alat bedah



Micropipet



Tip



Micropestle



Microtube



Mesin Vortex



Sentrifuge



Cetakan agar



Mesin PCR



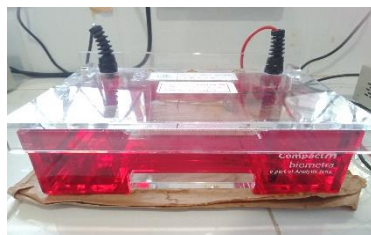
Gel Doc



Timbangan digital



Termoblok



Elektroforesis

## Lampiran 2. Hasil Alignment *C. striata* pada NCBI

Sequences producing significant alignments										
Download Select columns Show 100										
select all 100 sequences selected										
GenBank Graphics Distance tree of results MSA Viewer										
Description	Scientific Name	Max Score	Total Score	Query Cover	E value	Per. Ident	Acc. Len	Accession		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate PAPUA12 cytochrome c oxidase subunit I (COX1) gene, partial cds; mito...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405388.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate PAPUA11 cytochrome c oxidase subunit I (COX1) gene, partial cds; mito...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405387.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate SULAWESI11 cytochrome c oxidase subunit I (COX1) gene, partial cds;...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405385.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate BORNEO72 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405384.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate BORNEO62 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405382.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate BORNEO61 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405381.1</a>		
<input checked="" type="checkbox"/> Channa striata strain cultured isolate BORNEO42 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405378.1</a>		
<input checked="" type="checkbox"/> Channa striata strain cultured isolate BORNEO41 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405377.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate BORNEO32 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405376.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate BORNEO31 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405375.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate BORNEO22 cytochrome c oxidase subunit I (COX1) gene, partial cds; mi...	<a href="#">Channa striata</a>	1214	1214	97%	0.0	99.40%	841	<a href="#">OQ405374.1</a>		
<input checked="" type="checkbox"/> Channa striata cytochrome c oxidase subunit I (CO1) gene, complete cds; mitochondrial	<a href="#">Channa striata</a>	1199	1199	99%	0.0	98.39%	1551	<a href="#">KU852443.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher PNT-03 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1197	1197	99%	0.0	98.39%	708	<a href="#">KC789519.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher BIF0671 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1195	1195	95%	0.0	99.69%	652	<a href="#">KU692418.1</a>		
<input checked="" type="checkbox"/> Channa striata isolate LR13134 cytochrome oxidase subunit I gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1194	1194	95%	0.0	99.54%	654	<a href="#">MF496964.1</a>		
<input checked="" type="checkbox"/> Channa striata isolate LR13116 cytochrome oxidase subunit I gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1194	1194	95%	0.0	99.54%	654	<a href="#">MF496963.1</a>		
<input checked="" type="checkbox"/> Channa striata isolate LR13084 cytochrome oxidase subunit I gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1194	1194	95%	0.0	99.54%	654	<a href="#">MF496962.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher KT2_4 cytochrome c oxidase subunit I (COX1) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1192	1192	98%	0.0	98.66%	678	<a href="#">OP491868.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher BIF1307 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1190	1190	95%	0.0	99.54%	652	<a href="#">KU692421.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher BIF0670 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1190	1190	95%	0.0	99.54%	652	<a href="#">KU692419.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher BIF1308 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1190	1190	95%	0.0	99.54%	652	<a href="#">KU692417.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher CST3 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1182	1182	97%	0.0	98.51%	675	<a href="#">MK368524.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher BJ26 cytochrome oxidase subunit I (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1182	1182	94%	0.0	99.69%	645	<a href="#">MG438366.1</a>		
<input checked="" type="checkbox"/> Channa striata isolate LR01447 cytochrome oxidase subunit I gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1182	1182	95%	0.0	99.24%	654	<a href="#">MF496941.1</a>		
<input checked="" type="checkbox"/> Channa sp. FOAJ529-09 voucher BW-A7379 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochon...	<a href="#">Channa sp. FOA...</a>	1182	1182	94%	0.0	99.54%	648	<a href="#">GU674103.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher CST1 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1181	1181	97%	0.0	98.51%	674	<a href="#">MK368522.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate SUMATERA12 cytochrome c oxidase subunit I (COX1) gene, partial cds;...	<a href="#">Channa striata</a>	1181	1181	97%	0.0	98.51%	841	<a href="#">OQ411009.1</a>		
<input checked="" type="checkbox"/> Channa striata strain wildtype isolate SUMATERA11 cytochrome c oxidase subunit I (COX1) gene, partial cds;...	<a href="#">Channa striata</a>	1181	1181	97%	0.0	98.51%	841	<a href="#">OQ411008.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher CST4 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1179	1179	97%	0.0	98.51%	673	<a href="#">MK368525.1</a>		
<input checked="" type="checkbox"/> Channa striata voucher BIF2768 cytochrome oxidase subunit 1 (COI) gene, partial cds; mitochondrial	<a href="#">Channa striata</a>	1179	1179	95%	0.0	99.24%	652	<a href="#">KU692423.1</a>		

### Lampiran 3. Dokumentasi proses penelitian



Gambar 1. Penulisan nomor sampel pada microtube



Gambar 2. Proses pengambilan otot pada sampel ikan gabus sebanyak 0,05 mg yang telah dilarutkan pada ethanol.



Gambar 3. Proses penggerusan sampel yang telah di timbang



Gambar 4. Proses pelarutan sampel menggunakan mesin vortex





Gambar 5. Proses pengendapan larutan menggunakan mesin sentrifugasi