LAMPIRAN A

Source Code

Source code selengkapnya termasuk dengan data bisa dilihat di (https://github.com/EzraelVio/Fish-Viola-Jones) dibawah lisense GNU General Public License v3.0. Prototype System Klasifikasi Genus Ikan Menggunakan Viola-Jones Featues Extraction dan Boosting berbasis Decision Tree.

LAMPIRAN B

Tabel data training

Tabel 2.1: Gambar-gambar yang digunakan untuk training

No.	Abudefduf	Amphiprion	Chaetodon	Negative			
1		of Do					
2							
3		300					
4							
5		A BO	D				
6							
7		100					
8	ARK	460					
	Continued on next page						

Tabel 2.1 – continued from previous page

No.	Abudefduf	Amphiprion	Chaetodon	Negative
9		330		Trogue.
10		400		
11		160		
12		A CO		
13		OF BO		
14		40		
15		1780		
16		WE !		
17		160		
18	ATTRACTOR OF THE PARTY OF THE P			
			Con	tinued on next page

Tabel 2.1 – continued from previous page

No.	Abudefduf	Amphiprion	Chaetodon	Negative
19	ALIK			
20		N BO		

LAMPIRAN C

Tabel pengolahan data gambar validasi

Pada kolom *Window* terdapat koordinat klasifikasi dan hasil klasifikasi. [6,110] class: 1 berarti, 'dikasifikasikan di x = 6, y = 110 dengan hasil klasifikasi 1'.

Tabel 3.1: Hasil prediksi menggunakan cascade dan sliding window

T	XX/!1 1	XX/:	XX/: 1 2	Einal D!	
Image	Window 1	Window 2	Window 3	Final Result	
	[6,110] class: 1	[116,25] class: 1	[233,41] class: 1	Abudefduf	
	L-,1	[,]	[,]		
	[1,109] class: 3	[116,30] class: 2	[233,41] class: 1	None	
	[7,102] class: 3	[116,33] class: 2	[233,55] class: 2	Abudefduf	
	[5,105] class: 3	[116,44] class: 3	[233,55] class: 1	Chaetodon	
ATTEX	[5,102] class: 2	[116,39] class: 1	[233,64] class: 2	Amphiprion	
	[8,107] class: 1	[116,23] class: 1	[233,40] class: 1	Abudefduf	
	[3,108] class: 1	[116,36] class: 2	[233,55] class: 1	Chaetodon	
	[23,110] class: 1	[116,10] class: 2	[233,35] class: 2	Amphiprion	
			Continue	d on next page	
Continued on next page					

Tabel 3.1 – continued from previous page

I		ontinued from previ	1 0	Einal Damile	
Image	Window 1	Window 2	Window 3	Final Result	
	[7,103] class: 2	[116,22] class: 3	[233,45] class: 1	None	
	[24,111] class: 1	[116,11] class: 1	[233,22] class: 1	Abudefduf	
	[10,102] class: 2	[116,17] class: 2	[233,40] class: 3	Abudefduf	
	[3,108] class: 1	[116,29] class: 2	[233,40] class: 3	None	
	[6,108] class: 1	[116,42] class: 1	[233,54] class: 1	Abudefduf	
	[6,108] class: 1	[116,42] class: 3	[233,54] class: 3	Chaetodon	
	[3,103] class: 1	[116,33] class: 3	[233,51] class: 3	Chaetodon	
	[0,110] class: 1	[116,26] class: 2	[233,59] class: 3	None	
	[6,102] class: 1	[116,32] class: 2	[233,50] class: 1	Abudefduf	
	[5,109] class: 1	[116,28] class: 1	[233,44] class: 1	Abudefduf	
Continued on next page					

Tabel 3.1 – continued from previous page

Image	Window 1	Window 2	Window 3	Final Result
	7, (0 min section) - 140			
	[8,99] class: 1	[116,30] class: 1	[233,59] class: 1	Abudefduf
	[5 106] -1 1	[116 27] slaves 2	[222 25] -1 1	Ah., J. Ed., E
	[5,106] class: 1	[116,27] class: 2	[233,35] class: 1	Abudefduf
	[8,102] class: 3	[117,69] class: 3	[233,54] class: 1	Chaetodon
			#2 12 0.27	
	[16,106] class: 1	[116,23] class: 1	[233,28] class: 1	Abudefduf
	[7,112] class: 1	[116,33] class: 2	[233,58] class: 3	None
ALLIE -				
	[10,108] class: 1	[116,31] class: 3	[233,42] class: 1	Abudefduf
Wik.	[3,106] class: 3	[116,29] class: 1	[233,47] class: 2	None
4				000000000000000000000000000000000000000
	[13,89] class: 1	[116,12] class: 2	[233,30] class: 2	Amphiprion
E	[10,00]	F116261 1 2	[222 25] 1 2	NI.
	[18,98] class: 1	[116,26] class: 2	[233,35] class: 3	None
				*
	[15,95] class: 1	[116,13] class: 2	[233,27] class: 3	None
			Continue	d on next page

Tabel 3.1 – continued from previous page

T		ontinued from previ	1 0	Einel D	
Image	Window 1	Window 2	Window 3	Final Result	
100	[16,91] class: 1	[116,0] class: 1	[233,71] class: 1	Abudefduf	
	[10,91] class. 1	[110,0] class. 1	[233,71] class. 1	Abudeldul	
160	[16,95] class: 2	[116,23] class: 2	[233,43] class: 3	Amphiprion	
	Language and a second second second		The second control of the second seco		
	[10,87] class: 1	[116,9] class: 1	[233,41] class: 1	Abudefduf	
400	[19,94] class: 1	[116,31] class: 1	[233,43] class: 1	Abudefduf	
	[12,21] 01033. 1	[110,01] 01035. 1	[233, 13] 01033. 1	rioddoiddi	
400	[17,91] class: 1	[116,0] class: 1	[233,73] class: 1	Abudefduf	
	[21,86] class: 1	[116,17] class: 2	[233,35] class: 1	Abudefduf	
	[20,89] class: 2	[116,20] class: 2	[233,34] class: 2	Amphiprion	
	[15,91] class: 1	[116,10] class: 1	[233,34] class: 1	Abudefduf	
	[10,55] class: 1	[116,17] class: 2	[233,39] class: 3	None	
	[17,93] class: 2	[116,25] class: 2	[233,46] class: 1	Amphiprion	
	[17,75] Class. 2	[110,25] class. 2			
Continued on next page					

Tabel 3.1 – continued from previous page

I	1	ontinued from previ	1 0	Einal Damil	
Image	Window 1	Window 2	Window 3	Final Result	
	510.001		[
	[18,89] class: 1	[116,10] class: 1	[233,28] class: 1	Abudefduf	
500	[14 02] aloga 1	[116.25] alaga, 2	[222 22] alagar 1	Abudefduf	
	[14,93] class: 1	[116,25] class: 2	[233,33] class: 1	Abudeldul	
	[21,94] class: 2	[116,9] class: 1	[233,19] class: 1	Abudefduf	
1600				0 10 00 1007	
	[15,96] class: 2	[116,22] class: 2	[233,37] class: 3	Amphiprion	
500	[16,91] class: 1	[116,25] class: 2	[233,37] class: 3	None	
400	[21,98] class: 3	[116,10] class: 1	[233,36] class: 1	Abudefduf	
300	[18,92] class: 1	[116,8] class: 1	[233,60] class: 2	Abudefduf	
	[19,95] class: 1	[116,0] class: 1	[233,11] class: 1	Abudefduf	
1600	[14,97] class: 3	[116,32] class: 2	[233,33] class: 1	None	
1860	[19,88] class: 2	[116,15] class: 2	[233,28] class: 1	Amphiprion	
	[19,00] Class. 2	[110,13] class. 2			
Continued on next page					

Tabel 3.1 – continued from previous page

T		ontinued from previ	1 0	Emal D
Image	Window 1	Window 2	Window 3	Final Result
1 0				
	[12,89] class: 3	[116,23] class: 1	[233,72] class: 1	Abudefduf
160	[14,87] class: 2	[116,12] class: 1	[233,36] class: 1	Abudefduf
	[32,116] class: 2	[116,19] class: 1	[233,19] class: 1	Abudefduf
	[35,118] class: 2	[116,29] class: 1	[233,40] class: 3	None
	[32,115] class: 1	[116,30] class: 1	[233,40] class: 3	Abudefduf
O'	[66,150] class: 0	[116,57] class: 1	[233,28] class: 1	Abudefduf
	[37,115] class: 1	[116,28] class: 2	[233,31] class: 2	Amphiprion
	[32,119] class: 2	[116,26] class: 2	[233,32] class: 1	Amphiprion
	[30,117] class: 1	[116,24] class: 2	[233,31] class: 1	Abudefduf
	[36,116] class: 2	[116,17] class: 2	[233,21] class: 3	Amphiprion
			Continue	d on next page

Tabel 3.1 – continued from previous page

Imaga	Window 1	Window 2	Window 3	Final Dagult	
Image	vvindow 1	Window 2	vvilidow 3	Final Result	
	[31,119] class: 1	[116,18] class: 1	[233,14] class: 2	Abudefduf	
	[31,117] class. 1	[110,10] class. 1	[233,14] class. 2	ribuderdur	
	[32,115] class: 1	[116,27] class: 2	[233,30] class: 1	Abudefduf	
	Decree of the second second second second second		Lastration of responsible in the second section of the section of the second section of the section of the second section of the section of th		
	[32,119] class: 1	[116,23] class: 1	[233,15] class: 1	Abudefduf	
	[34,113] class: 1	[116,21] class: 1	[233,40] class: 3	Abudefduf	
	[20,110] class: 1	[116,21] class: 1	[233,20] class: 2	Abudefduf	
	[33,115] class: 2	[116,33] class: 2	[233,30] class: 1	Amphiprion	
	[35,117] class: 1	[116,26] class: 2	[233,31] class: 2	Amphiprion	
	· contraction of the contract of			L L	
1					
	[24 114] alaga, 1	[116,28] class: 1	[233,38] class: 1	Abudafduf	
	[34,114] class: 1	[110,20] class: 1	[233,36] class: 1	Abudefduf	
	[43,115] class: 1	[116,23] class: 1	[233,41] class: 1	Abudefduf	
	[36,117] class: 1	[116,23] class: 1	[233,42] class: 1	Abudefduf	
	[50,117] class. 1	[110,23] class. 1			
Continued on next page					

Tabel 3.1 – continued from previous page

Image	Window 1	Window 2	Window 3	Final Result
A Do				
	[34,116] class: 1	[116,21] class: 1	[233,18] class: 1	Abudefduf
	[32,117] class: 2	[116,40] class: 2	[233,28] class: 1	Amphiprion
	[29,115] class: 1	[116,30] class: 1		Abudefduf
	[29,113] Class: 1	[110,50] class: 1	[233,22] class: 1	Abudeldul
	[35,117] class: 2	[116,22] class: 1	[233,41] class: 1	Abudefduf
•	[34,116] class: 1	[116,24] class: 2	[233,20] class: 2	Amphiprion
	[40,118] class: 1	[116,22] class: 1	[233,34] class: 2	Abudefduf
	[40,118] class: 1	[116,12] class: 1	[233,67] class: 1	Abudefdu

LAMPIRAN D

Gambar Pelatihan Tes Lapangan

Tabel 4.1: Gambar-gambar yang digunakan untuk training tes lapangan

No.	Emas	Lele	Nila	Negative			
1			Shift A				
2			0				
3							
4							
5							
6							
7							
8							
	Continued on next page						

Tabel 4.1 – continued from previous page

No.	Emas	Lele	Nila	Negative	
9			638		

LAMPIRAN E

Tabel pengolahan data gambar validasi tes lapangan

Tabel 5.1: Hasil prediksi menggunakan cascade dan sliding window

Image	Window 1	Window 2	Window 3	Final Result
	[7,84] class: 1	[116,45] class: 1	[233,68] class: 1	Ikan Emas
	[17,104] class: 1	[116,40] class: 1	[233,50] class: 1	Ikan Emas
	[24,31] class: 1	[116,64] class: 1	[233,81] class: 3	Ikan Emas