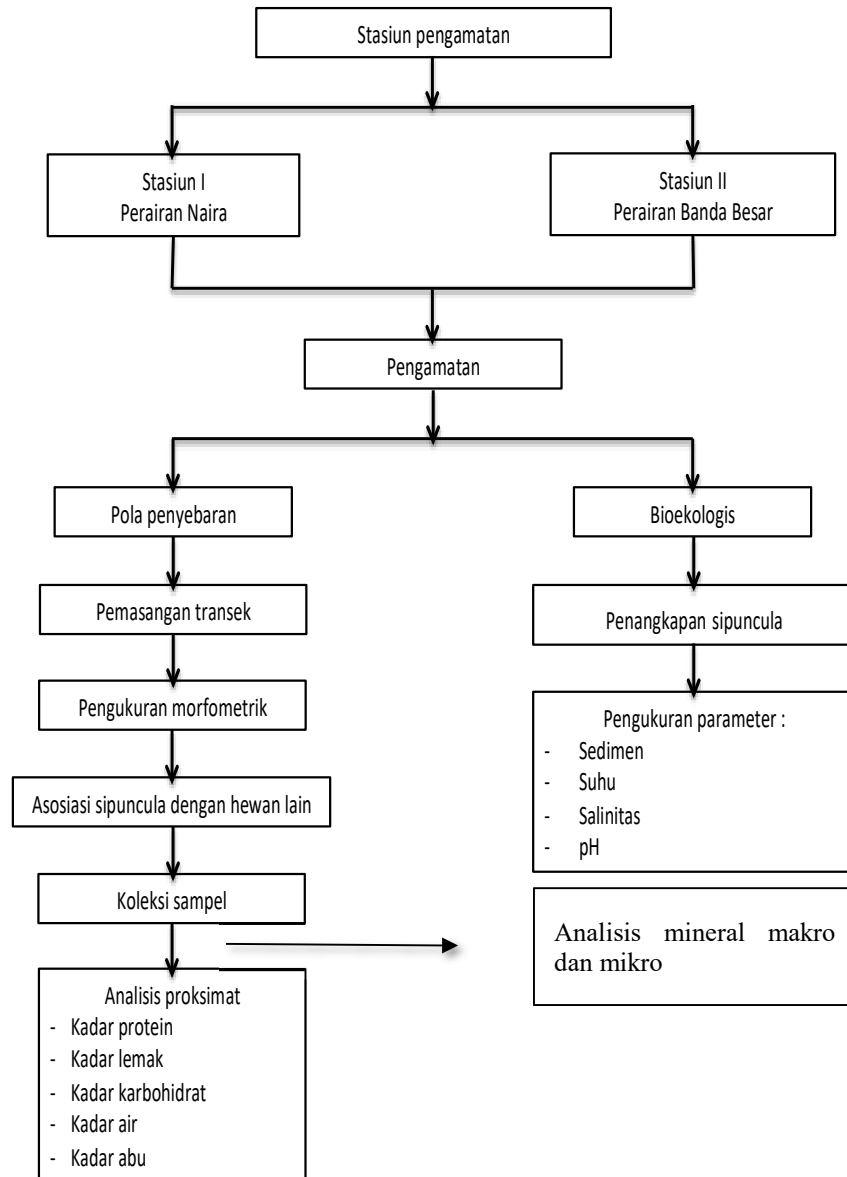


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Lampiran 1 Diagram alir prosedur penelitian

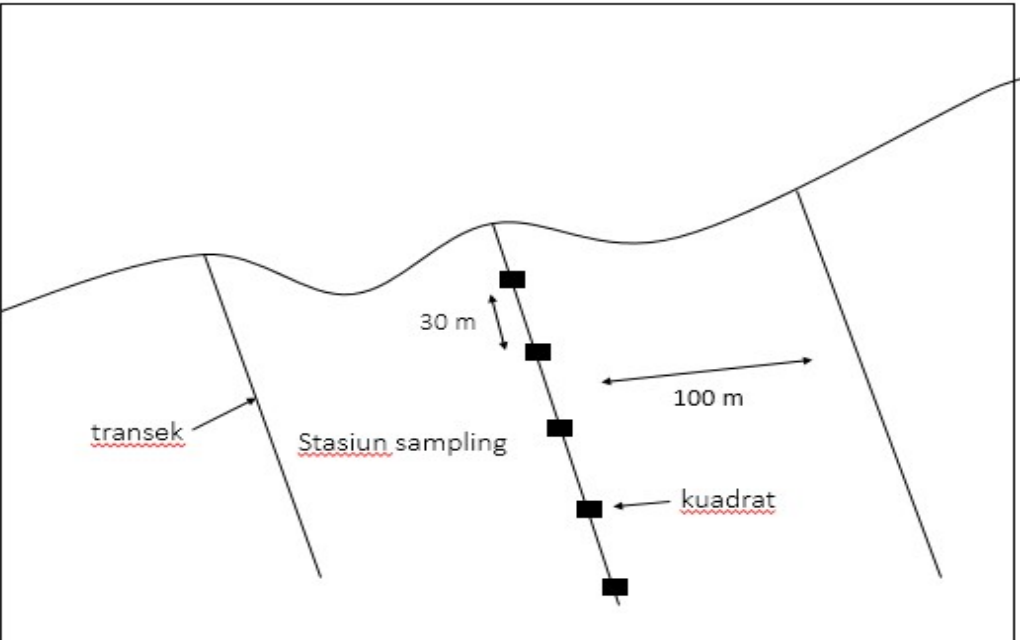


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Lampiran 2 Transek garis prosedur penelitian



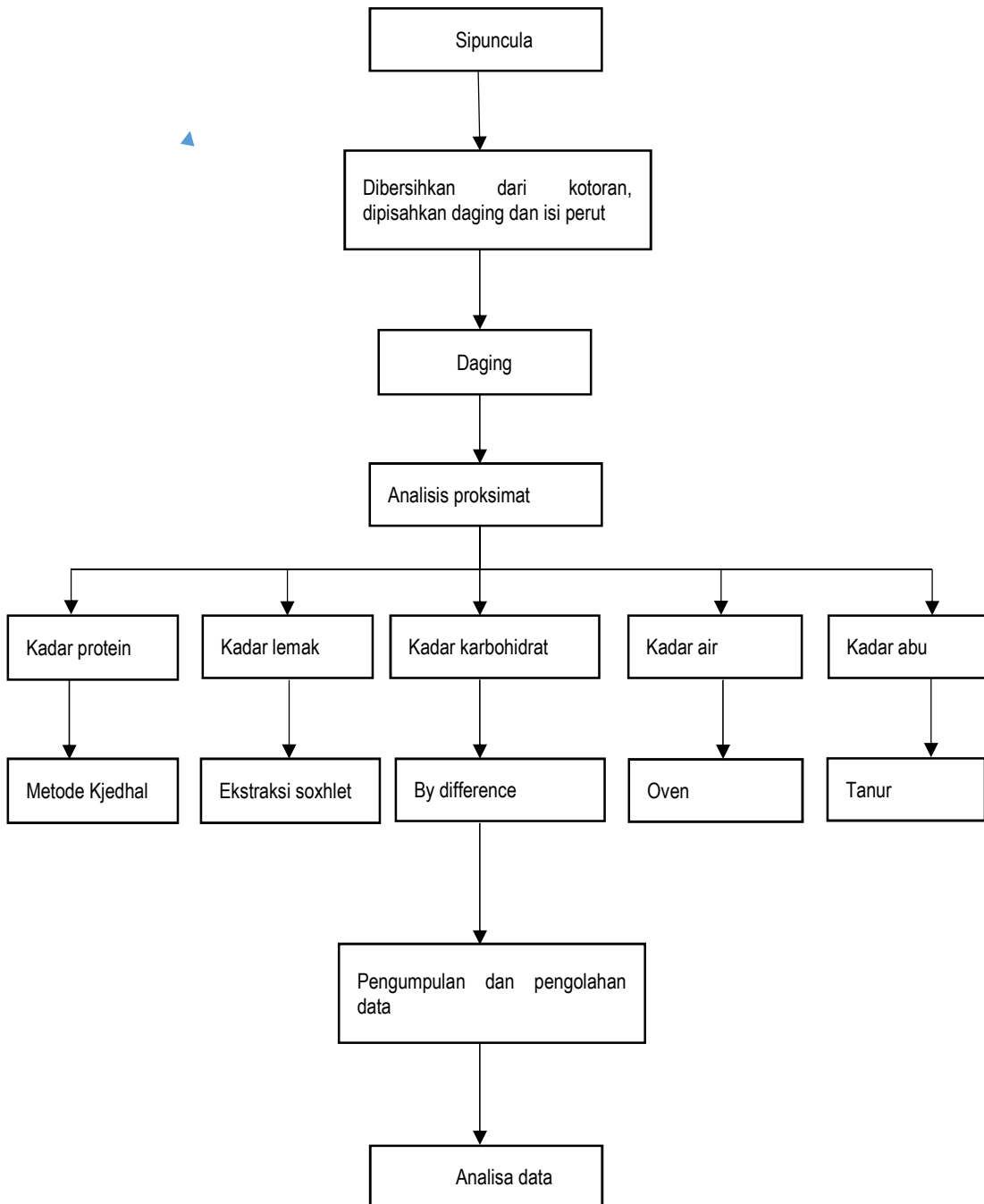
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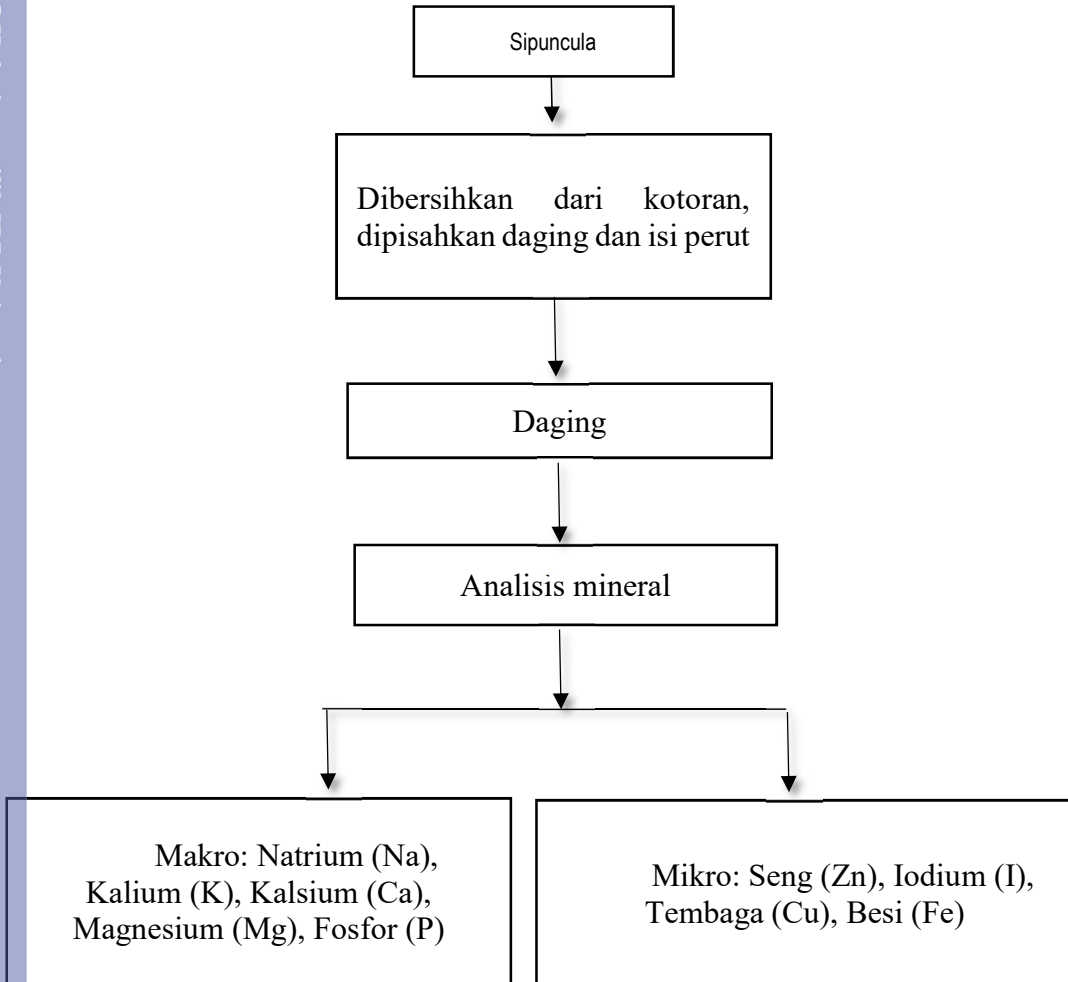


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Lampiran 3 Diagram alir analisis proksimat



Lampiran 4 Diagram alir analisis mineral



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Lampiran 5 Ciri umum morfologi untuk identifikasi Genus

Character	Genus*													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	
Introvert hooks														
Size	2	—	2	1	—	—	3	3	2	—	2	—	—	15
Shape	3	—	3	1	—	—	2	2	2	—	2	—	—	15
Presence/absence	3	—	—	1	3	—	1	1	2	—	3	—	—	14
Number rings	—	—	3	—	—	—	1	1	—	—	—	—	—	5
Clear streak	1	—	2	—	—	—	—	—	—	—	—	—	—	3
Basal elaboration	—	—	1	1	—	—	1	—	—	—	—	—	—	3
Retractor origins	2	—	1	2	—	—	2	2	3	1	1	—	—	14
Papillae														
Shape	—	—	3	2	—	—	1	1	—	3	—	1	3	16
Size	—	—	3	3	—	—	1	1	—	3	—	1	3	15
Platelets	—	—	2	—	—	—	—	—	—	—	—	—	—	2
Trunk size, shape	—	—	—	1	2	2	2	2	1	1	—	—	—	11
Tentacles														
Number	—	—	—	1	—	—	2	3	2	3	—	—	—	11
Pigment	—	—	—	—	2	2	—	—	—	—	—	—	—	4
Branching	—	—	—	—	3	—	—	—	—	—	—	—	—	3
LMBs	2	—	2	2	—	—	—	—	—	—	—	3	2	11
CVV morphology	—	—	—	—	3	—	—	—	2	—	2	—	—	7
Introvert length	—	—	—	3	—	—	—	2	—	2	—	—	—	7
Nephridia morphology	2	—	2	1	—	—	—	1	—	—	—	1	—	7
Anal shield	3	3	—	—	—	—	—	—	—	—	—	—	—	6
Gut coil	1	—	—	—	—	—	—	2	2	—	—	—	—	5
Anus location	—	—	—	—	—	—	—	1	3	—	—	—	—	4
Caudal appendage	—	—	—	—	—	—	2	2	—	—	—	—	—	4
F3 origin, insertion	—	—	—	—	3	—	—	—	—	—	—	—	—	3
Pigment on introvert	—	—	3	—	—	—	—	—	—	—	—	—	—	3
Nephridia/anus location	—	—	—	—	—	—	—	1	—	—	—	2	—	3
Spindle muscle	—	—	—	—	—	—	—	1	—	—	—	2	—	3
Bifurcation	1	—	—	—	—	—	—	1	—	—	—	—	—	2
Pigmented collar	—	—	—	—	2	—	—	—	—	—	—	—	—	2
Nuchal organ shape	—	—	—	—	—	2	—	—	—	—	—	—	—	2
Rectal caecum	—	—	—	—	—	—	—	1	—	—	1	—	—	2
Attachment papillae	—	—	—	—	—	—	—	—	2	—	—	—	—	2
Caudal shield	2	—	—	—	—	—	—	—	—	—	—	—	—	2
Brain morphology	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Introvert-trunk angle	1	—	—	—	—	—	—	—	—	—	—	—	—	1
Fusiform bodies	—	—	—	—	—	—	—	—	—	1	—	—	—	1
Protractors	—	—	—	—	—	—	—	—	—	—	—	1	—	1

Note: Characters arranged by total value of usefulness at subgenus or species level. 3 = broadly useful; 2 = some value, at least at subgeneric level; 1 = little import, only a few species; — = of no value in this genus.

*1 = *Aspidosiphon*, 2 = *Lithacrosiphon*, 3 = *Phascolosoma*, 4 = *Apionsoma*, 5 = *Themiste*, 6 = *Thysanocardia*, 7 = *Golfingia*, 8 = *Nephasoma*, 9 = *Phascolion*, 10 = *Onchnerosoma*, 11 = *Siphonosoma*, 12 = *Sipunculus*, 13 = *Xenosiphon*. Genera with only one species not included (i.e., *Siphonomecus*, *Phascolopsis*, *Antillesoma*, *Cloeosiphon*).

Lampiran 6 Identifikasi Genus berdasarkan habitat

Character	Genus*																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Trunk length of adult																	
<10 mm	-	-	-	-	+	-	-	-	-	+	+	+	-	-	-	-	-
10-40 mm	+	+	+	+	+	+	+	+	+	+	+	-	-	-	-	-	-
>40 mm	-	-	-	-	-	-	+	+	-	-	-	-	+	+	+	+	+
Trunk shape																	
Elongate/vermiform	-	-	-	-	-	-	-	+	-	-	-	-	+	+	+	+	+
Spindle/tapered	+	+	+	+	+	+	+	+	+	+	+	-	+	-	-	-	-
Filiform	-	-	-	-	-	-	-	-	+	+	-	-	-	-	-	-	-
Spheroid	-	-	-	-	-	-	-	-	-	-	+	+	-	-	-	-	-
Twisted	+	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-
Longitudinal muscle bands	+-	+	-	+-	+-	+	-	-	-	-	-	-	+	+	+	+	+
Anal shield	+	+	+	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Habitat																	
Coral or rock	+	+	+	+	+	+	+	-	-	-	-	-	-	-	-	-	-
Empty shell	+	-	-	-	-	-	-	-	-	-	+	-	-	-	-	-	-
Sand or mud	+	-	-	+	+	-	+	+	+	+	+	+	+	+	+	+	+
Depth																	
<10 m	+	+	+	+	+	+	+	+	-	-	+	-	+	+	+	+	+
10-200 m	+	-	-	+	+	-	+	+	+	+	+	-	+	+	+	+	+
200-2000 m	-	-	-	+	+	-	-	+	+	+	+	+	-	-	-	+	-
>2000 m	-	-	-	-	+	-	-	-	+	+	+	+	-	-	-	-	-

Note. Verify the genus using other keys and descriptions.

*1 = *Aspidosiphon*, 2 = *Lithacosiphon*, 3 = *Ctenosiphon*, 4 = *Phascolosoma*, 5 = *Apionosoma*, 6 = *Antillesoma*, 7 = *Themiste*, 8 = *Thysanocardia*, 9 = *Golfingia*, 10 = *Nephasoma*, 11 = *Phascolion*, 12 = *Onchuresoma*, 13 = *Phascolopsis*, 14 = *Siphonosoma*, 15 = *Siphonomecus*, 16 = *Sipunculus*, 17 = *Xenosiphon*.