

V. SIMPULAN DAN SARAN

A. Simpulan

Berdasarkan penelitian *molecular sexing* dengan pada Burung suku Passeriformes yang telah dilakukan diperoleh simpulan bahwa :

1. Metode PCR dapat mengamplifikasi gen *CHD-W* dan gen *CHD-Z* secara keseluruhan 17 individu dari 9 spesies Passeriformes yang digunakan. Metode LAMP tidak dapat mengamplifikasikan sampel jantan maupun betina dengan stabil sehingga tidak dapat membedakan jenis kelamin betina atau jantan.
2. Metode PCR merupakan metode yang efektif dalam mengidentifikasi jenis kelamin secara molekuler pada Passeriformes dengan prosentase keberhasilan 100%
3. Primer PSW yang didesain dari spesies *Passer montanus* untuk mengidentifikasi jenis kelamin 9 spesies dari bangsa Passeriformes memiliki prosentase keberhasilan 5,8% dan primer PSZ memiliki prosentase keberhasilan 0% . Primer PAW dan PSZ memiliki prosentase keberhasilan 0%

B. Saran

Berdasarkan penelitian yang telah dilakukan, beberapa hal yang perlu diperbaiki untuk penelitian berikutnya adalah

1. Pemilihan sekuen primer pada software sebaiknya harus lebih diperhatikan terutama parameter yang *Melting Temperatur* (TM)

energi bebas, dan komposisi basa CG sehingga primer dapat lebih stabil.

2. Pembuatan larutan Mix sebaiknya pada ruangan berbeda dengan persiapan sampel seperti menggunakan LAF sehingga mengurangi kontaminasi.



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LAMPIRAN

Lampiran 1. Daftar Sampel

No	KODE	NAMA INDONESIA	Suku	Nama Spesies
1	72TR	BONDOL JAWA	Estrildidae	<i>Lonchura leucogastroides</i>
2	73TR	BONDOL JAWA	Estrildidae	<i>Lonchura leucogastroides</i>
3	74TR	BONDOL JAWA	Estrildidae	<i>Lonchura leucogastroides</i>
4	55TR	BURUNG MADU SRIGANTI	Nectariniidae	<i>Cynirris Jugularis</i>
5	77TR	BURUNG MADU SRIGANTI	Nectariniidae	<i>Cynirris Jugularis</i>
6	58TR	BURUNG MADU SRIGANTI	<u>Nectariniidae</u>	<i>Cynirris Jugularis</i>
7	39TR	BURUNG GEREJA ERASIA	Passeridae	<i>Passer montanus</i>
8	40TR	BURUNG GEREJA ERASIA	Passeridae	<i>Passer montanus</i>
9	24TR	BURUNG GEREJA ERASIA	Passeridae	<i>Passer montanus</i>
10	51TR	CINENEN PISANG	Cisticolidae	<i>Orthotomus sutorius</i>
11	34TR	BURUNG MADU KELAPA	Nectariniidae	<i>Anthreptes malacensis</i>
12	28TR	CINENEN KELABU	Cisticolidae	<i>Orthotomus ruficeps</i>
13	M 12	Srigunting Kelabu	Dicruridae	<i>Dicrurus leucophaeus</i>
14	TP-01	TEPUS PIPI PERAK	Timaliidae	<i>Cyanoderma melanothorax</i>
15	TP-02	TEPUS PIPI PERAK	Timaliidae	<i>Cyanoderma melanothorax</i>
16	TP-03	TEPUS PIPI PERAK	Timaliidae	<i>Cyanoderma melanothorax</i>
17	TP-05	CIUNG BATU KECIL	Muscicapidae	<i>Myophonus glaucinus</i>

Lampiran 2. Hasil Amplifikasi dengan Metode PCR