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A Brief Review on Marine Shelled Mollusca (Gastropoda and Bivalvia) Record in Malaysia

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ABSTRACT

Though marine science has received much attention in Malaysia in the recent years, marine mollusc studies are still overseen by many researchers. The lacks of basic information such as diversity data and species check list make it impossible to assess the rate of population lost among marine molluscs. To date, no published information on the actual number of marine shelled molluscan species exist in Malaysian waters. The single largest record and collection come from Purchon collected between 1973 and 1974. A large collection of marine molluscs was made along the coastal line of West Malaysia and Purchon found 301 species (52 families) of marine gastropods and 154 species (37 families) of marine bivalves over a 14 months period. However, little progress has been made since then. At present, only 581 species marine gastropods and bivalves are documented (384 species from class Gastropoda and 197 species from class Bivalvia) in Malaysian waters from various sources. Some data are unpublished and some remained as internal circulation document. The current researches on marine mollusc diversity are incomprehensive and focus only on small geographical area and limited habitat. Besides, central depository facilities such as a natural history museum where researchers could deposit their collections and hold records for the diversity of marine shelled mollusc in Malaysia are still unavailable. These shortcomings and the lack of trained taxonomist have contributed to the weak database of marine molluscs studies.

Key words: Marine mollusc, diversity

INTRODUCTION

Marine mollusc is a diverse group of invertebrate including Class Gastropoda, Bivalvia, Polyplacophora and Cephalopoda. It can be found in almost any typical marine and freshwater ecosystems. The earliest writings on the natural history of mollusc are the fragmentary writings of Aristotle in the fourth century before the Christian era (Dance, 1986). Although Aristotle's *Natural history of animals* was not well organized and not intended to be a descriptive zoology, but his writings on the biology and morphology continued to inspire generations after him until the Curious Age in the 16th century.

In Malaysia, mollusc taxonomy studies started from the study of land snails by the British in pre-independence era. Explorers rushed to the hills, limestone caves and forest to record their findings and some of their early works were published in The Bulletin of the Raffles Museum (now The Raffles Bulletin of Zoology) between 1930's to 1960's (Robson, 1932; Laidlaw, 1932, 1937, 1940; Van Jutting, 1949, 1950, 1952; Purchon and Enoch, 1954; Tweedie, 1961; Pathansali, 1963; Berry, 1965).

One of the first marine mollusc diversity surveys in Malaysia was conducted on the east and west coast of Peninsular Malaysia and Singapore (Purchon and Purchon, 1981; Way and Purchon, 1981; Morris and Purchon, 1981). Purchon conducted a 14-month field trip collecting specimens from 40 stations around Peninsular Malaysia. The collection gathered by him from various sources were sent to Britain and identified by the curators of British Natural History Museum, London. Specimens of 301 species from class Gastropoda and 154 species from class Bivalvia were deposited at the British Natural History Museum as museum type collection.

Current status: The marine mollusc diversity study in Malaysia is normally carried out as a side product of other projects due to the lack of direct funding. Researchers' record was mostly derived from what they seen and collected during other parallel field survey. Table 1 shows a significant difference in specimens found between an intensive diversity study (Purchon and Purchon, 1981) and other diversity studies in Malaysia (Arshad *et al.*, 2001; Kee Alfian *et al.*, 2005; Tan *et al.*, 2008; Wong *et al.*, 2008; Zaidi *et al.*, 2008). Most of the recent studies were done in shorter period and focus on specific area and ecosystem which are less intensive and extensive as compared to Purchon and Purchon, 1981. Besides *in situ* visual identification, some specimens were brought back to the laboratory for taxonomic confirmation. Unlike Purchon and Purchon, 1981, lack of proper documentation made it impossible for specimen re-examination and confirmation on its identification. In addition, there are still various marine ecosystems such as mangrove and mudflat that were not intensively surveyed.

Through our recent efforts on the collection of scientific writings and compilation of marine shelled mollusca in Malaysia, a total of 581 species is listed (384 species from class Gastropoda and 206 species from class Bivalvia). The validity of each species was checked with World Register of Marine Species (WoRMS), SeaLifeBase Portal and The Taiwan Malacofauna Database. The complete species list is displayed in Table 2. However, due to the lack of proper specimen storage and documentation, some of the specimens are no available for reexamination. Most of the collection

Table 1: Comparison of data between Purchon and Purchon, 1981 and other diversity studies conducted by local scientist recently

Location	Substrates	Results	References
East and west coasts of Malaysia	Intertidal, sandy beach, rocky shore, mangrove, shallow reef, shallow and deep sandy bottom, trawler 'trash fish'	Gastropod 301 species (52 families) Bivalve 154 species (37)	Purchon and Purchon (1981)
Pulau Redang, Terengganu	Intertidal	Gastropod 48 species (15) Bivalve 9 species (6)	Aziz <i>et al.</i> (2001)
Teluk Tekek, Pulau Tioman, Pahang	Coral Reefs, Rubbles and sand	Gastropod 15 species (12) Bivalve 12 species (7) Nudibranch 6 species (2)	Kee Alfian <i>et al.</i> (2005) ⁵
Southwest Pulau Tioman, Pahang	Coral Reefs, Rubbles and sand	Gastropod 24 species (13) Bivalve 15 species (11) Nudibranch 12 species (5)	Wong <i>et al.</i> (2008)
Pulau Aur, Johor	Coral Reefs	Gastropod 9 species (7) Bivalve 13 species (6)	Tan <i>et al.</i> (2008) ¹⁰
Merambong Shoal, Johor	Seagrass bed	Gastropod 27 species (12) Bivalve 23 species (9)	Zaidi <i>et al.</i> (2008) ¹⁶
Pulau Mabul, Sabah	Coral Reefs	Gastropod and Bivalves 89 species (30)	*Unpublished data

*Unpublished data collected by author

Table 2. List of marine shelled mollusc species in Malaysia.

Class	Subclass	Superfamily	Family	Species	Name in original text	References
Gastropoda	Patellogastropoda	Patelloidea	Patellidae	<i>Cellana radiata</i> (Born 1778)	<i>Acmaea bombayana</i> (Smith 1911)	Way and Purchon (1981) ¹⁵
				<i>Cellana testudinaria</i> (L. 1758)		Way and Purchon (1981) ¹⁵
				<i>Patella flexuosa</i> Quoy and Gaimard 1834		Way and Purchon (1981) ¹⁵
	Lottioidae	Lottiidae		<i>Patelloidea saccharina</i> (L. 1758)		Way and Purchon (1981) ¹⁵
Vetigastropoda	Haliotidoidea	Haliotidae		<i>Haliotis ovina</i> Gmelin 1791		Arshad <i>et al.</i> (2001)
				<i>Haliotis varia</i> L. 1758		Way and Purchon (1981) ¹⁵
	Fissurelloidea	Fissurellidae		<i>Diodora singapurensis</i> (Reeve 1850)		Way and Purchon (1981) ¹⁵
Trochoidea	Trochidae			<i>Chrysostoma paradoxum</i> (Born 1780)		Way and Purchon (1981) ¹⁵
				<i>Clanculus atrocinctus</i> (Gould 1849)		Way and Purchon (1981) ¹⁵
				<i>Clanculus marginarius</i> (Philippi 1847)		Way and Purchon (1981) ¹⁵
				<i>Euchelus atratus</i> (Gmelin 1791)		Way and Purchon (1981) ¹⁵
				<i>Euchelus quadricarinata</i> (Holten 1803)		Arshad <i>et al.</i> (2001)
				<i>Euchelus tricingularis</i> (A. Adams 1851)		Way and Purchon (1981) ¹⁵
				<i>Monilaea callifera</i> Lamarch 1840		Arshad <i>et al.</i> (2001)
				<i>Monodonta labio</i> (L. 1758)		Way and Purchon (1981) ¹⁵
						Arshad <i>et al.</i> (2001), Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Stomatella auricula</i> (Lamarck 1816)		Way and Purchon (1981) ¹⁵
Turbinidae				<i>Astrea heliotropium</i> (Martyn 1784)		Personal collections 17
				<i>Astrea cf. petrosum</i> (Marten 1792)		Way and Purchon (1981) ¹⁵
				<i>Astrea rhodostoma</i> Lamarck 1822		Way and Purchon (1981) ¹⁵
				<i>Astronium calcar</i> (L. 1758)	<i>Astrea calcar</i> (L. 1758) ¹⁵	Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Lunella cinerea</i> (Born 1778)		Way and Purchon (1981) ¹⁵
				<i>Teuthis pyramis</i> (Born 1778)		Way and Purchon (1981) ¹⁵ , Personal collections 17
				<i>Turbo (Lunatica) marmoratus</i> L. 1758	<i>Turbo marmoratus</i> L. 1758	Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵
				<i>Turbo (Marmorostoma) argyrostomus</i> L. 1758	<i>Turbo argyrostomus</i> L. 1758	Way and Purchon (1981) ¹⁵

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Turbo (Marmorostoma) brunneus</i> (Röding 1791)	<i>Turbo brunneus</i> (Röding 1798)	Arshad <i>et al.</i> (2001), Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Turbo (Marmorostoma) chrysostomus</i> (L. 1758)	<i>Turbo chrysostomus</i> L. 1758	Way and Purchon (1981) ¹⁵ , Personal collections 17
				<i>Turbo (Turbo) petholatus</i> L. 1758	<i>Turbo petholatus</i> L. 1758	Kee Alfan <i>et al.</i> (2005) Personal collections 17
				<i>Trochidae</i>	<i>Gibbula cineraria</i> (L. 1758)	<i>Trochus lineatus</i> da Costa 1778 Arshad <i>et al.</i> (2001)
					<i>Trochus maculatus</i> L. 1758	Jambari <i>et al.</i> (2000), Way and Purchon (1981) ¹⁵ Zaidi <i>et al.</i> (2008) ¹⁶ and Personal collections 17
					<i>Trochus niloticus</i> L. 1767	Arshad <i>et al.</i> (2001) Way and Purchon (1981) ¹⁵ and Personal collections 17
					<i>Umbonium vestiarium</i> (L. 1758)	Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵
				<i>Angarioidea</i>	<i>Angaria delphinus</i> (L. 1758)	Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Neritomorpha</i>	<i>Neritoidea</i>	<i>Neritina oualanensis</i> (Lesson 1831) Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
					<i>Dostia violacea</i> (Gmelin 1791)	Way and Purchon (1981) ¹⁵
					<i>Nerita albicilla</i> L. 1758	Arshad <i>et al.</i> (2001), Jambari <i>et al.</i> (2000), Kee Alfan <i>et al.</i> (2005) and Way and Purchon (1981) ¹⁵
					<i>Nerita articulata</i>	Jambari <i>et al.</i> (2000)
					<i>Nerita balteata</i>	Arshad <i>et al.</i> (2001)
					<i>Nerita birmanica</i>	Berry (1972), Lim (1963) ⁷ and Sasekumar (1974) ¹¹
					<i>Nerita chamaeleon</i> L. 1758	Arshad <i>et al.</i> (2001), Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Nerita costata</i> Gmelin 1791		Way and Purchon (1981) ¹⁵
				<i>Nerita lineata</i> Gmelin 1791		Way and Purchon (1981) ¹⁵
				<i>Nerita planospira</i> Anton 1839		Way and Purchon (1981) ¹⁵
				<i>Nerita polita</i> L. 1758		Arshad <i>et al.</i> (2001), Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Nerita reticulata</i> Karsten 1789		Way and Purchon (1981) ¹⁵
				<i>Nerita squamulata</i> Le Guillou 1841		Jambari <i>et al.</i> (2000)
				<i>Nerita undata</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Neritina violacea</i> (Gmelin 1791)		Arshad <i>et al.</i> (2001) and Jambari <i>et al.</i> (2000)
				<i>Neritina ziczac</i> Lamarck 1822		Way and Purchon (1981) ¹⁵
	Caenogastropoda	Cerithioidea	Turritellidae	<i>Turritella duplicata</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Turritella exoleta</i> (L. 1758)		Personal collections 17
				<i>Turritella terebra</i>		Way and Purchon (1981) ¹⁵
		Cerithioidea	Moduliidae	<i>Modulus testum</i> (Gmelin 1791)		Personal collections 17
			Batillariidae	<i>Batillaria zonalis</i> (Bruguère 1792)		Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Sermyla rigueti</i> (Gratefou 1840)		Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
		Cerithioidea	Planaxidae	<i>Planaxis sulcatus</i> (Born 1791)		Way and Purchon (1981) ¹⁵
				<i>Terebralia sulcata</i> Born 1778	Lim (1963) ⁷	Lim (1972), Jambari <i>et al.</i> (2000), Lim (1963) ⁷ , Sasekumar (1974) ¹¹ and Way and Purchon (1981) ¹⁵
			Potamididae	<i>Telescopium telescopium</i> (L. 1758)		Sasekumar (1974) ¹¹
				<i>Telescopium sp.</i>		Arshad <i>et al.</i> (2001), Berry (1972), Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵
				<i>Cerithidea cingulata</i> (Gmelin 1791)		Jambari <i>et al.</i> (2000), Lim (1963) ⁷ , Sasekumar (1974) ¹¹ and Way and Purchon (1981) ¹⁵
				<i>Cerithidea obtusa</i> (Lamarck 1822)		

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Cerithidea ornata</i> (A. Adams 1854)		Berry (1972) and Jambari et al. (2000)
				<i>Cerithiopsislla adjariensis</i> (Martin 1859)		Jambari et al. (2000) and Way and Purchon (1981) ¹⁵
Cerithioidea	Cerithiidae	Cerithium	<i>Cerithium breviculum</i> Sowerby 1834			Way and Purchon (1981) ¹⁵
			<i>Cerithium chemnitzianum</i> (Pfeiffer 1901)			Way and Purchon (1981) ¹⁵
			<i>Cerithium columnna</i> Sowerby 1834			Way and Purchon (1981) ¹⁵
			<i>Cerithium cordium</i> Kiener 1841			Way and Purchon (1981) ¹⁵
			<i>Cerithium echinatum</i> Lamark 1822			Lim (1963) ⁷
			<i>Cerithium cf. moniliferus</i> Kiener 1842			Tan et al. (2008) ¹⁴
			<i>Cerithium nodulosum</i> Bruguire 1792			Way and Purchon (1981) ¹⁵
			<i>Cerithium patulum</i> Sowerby 1855			Way and Purchon (1981) ¹⁵ and Personal collections 17
			<i>Cerithium obeliscus</i> Bruguire			Personal collections 17
			<i>Cerithium obesum</i> Sowerby 1855			Way and Purchon (1981) ¹⁵
			<i>Cerithium planum</i> Sowerby 1855			Lim (1963) ⁷
			<i>Cerithium tritii</i> Sowerby 1855			Way and Purchon (1981) ¹⁵
			<i>Cerithium zonatum</i> Wood 1828			Way and Purchon (1981) ¹⁵
			<i>Clypeomorus batillariaefornis</i>			Jambari et al. (2000) and Personal collections 17
			Habe and Kosuge 1966			
			<i>Clypeomorus bifasciata</i> (Sowerby 1855)			Jambari et al. (2000)
			<i>Clypeomorus pellucida</i>			Jambari et al. (2000)
			<i>Faunus ater</i> (L. 1758)			Way and Purchon (1981) ¹⁵
			<i>Rhinoclavis aspera</i> (L. 1758)			Way and Purchon (1981) ¹⁵
			<i>Rhinoclavis fasciata</i> (Bruguire 1792)	<i>Rhinoclavis fasciatus</i> (Bruguire 1792)		Way and Purchon (1981) ¹⁵
			<i>Rhinoclavis sinensis</i> (Gmelin 1791)			Way and Purchon (1981) ¹⁵
			<i>Rhinoclavis verrugosa</i> (L. 1758)			Way and Purchon (1981) ¹⁵
Littorinacea	Littorinidae	Echinolittorina	<i>Echinolittorina angustior</i> (Mörch 1876)	<i>Litorina carinifera</i> Menke 1830	Arshad et al. (2001), Berry (1972), Jambari et al. (2000), Lim (1963) ⁷ , Rosewater (1970) ⁹ and Way and Purchon (1981) ¹⁵	
			<i>Littoraria articulata</i> (Philippi 1846)			Jambari et al. (2000)
			<i>Littoraria pallescens</i> (Philippi 1846)			Jambari et al. (2000)

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Littoraria scabra</i> L. 1758		Arshad <i>et al.</i> (2001), Berry (1972), Rosewater (1970) ⁹ and Sasekumar (1974) ¹¹
				<i>Littoraria scabra undulata</i> (Gray 1839)		Arshad <i>et al.</i> (2001), Berry (1972), Jambari <i>et al.</i> (2000) ⁷ , Rosewater (1970 ⁹), Sasekumar (1974) ¹¹ , Way and Purchon (1981) ¹⁵
				<i>Littoraria intermedia</i> Philippi 1847	<i>Littoraria intermedia</i>	Jambari <i>et al.</i> (2000)
				<i>Littorina melanostoma</i> Gray 1839		Arshad <i>et al.</i> (2001), Berry (1972), Jambari <i>et al.</i> (2000), Lim (1963) ⁷ , Rosewater (1970) ⁹ , Sasekumar (1974) ¹¹ , Way and Purchon (1981) ¹⁵
				<i>Nodilitorina (Granulilitorina) vidua</i> (Gould 1839)		Jambari <i>et al.</i> (2000)
				<i>Nodilitorina leucosticta bianigulata</i> (von Martens 1897)		Rosewater (1970) ⁹
				<i>Nodilitorina millegrana</i> (Philippi 1848)		Rosewater (1970) ⁹ and Way and Purchon (1981) ¹⁵
				<i>Nodilitorina pyramidalis</i> (Q and G. 1833)	Way and Purchon (1981) ¹⁵	Rosewater (1970) ⁹
				<i>Nodilitorina pyramidalis pyramidalis</i> (Q and G. 1833)		Rosewater (1970) ⁹
				<i>Nodilitorina trochoides</i> (Gray 1839)		Jambari <i>et al.</i> (2000)
				<i>Pesella</i> sp.		Jambari <i>et al.</i> (2000)
				<i>Tectarius pagodus</i> (L. 1758)		Personal collections 17
				<i>Epitonioidea</i> Epitonidae	<i>Epitonium scalare</i> (L. 1758)	Way and Purchon (1981) ¹⁵
					<i>Epitonium</i> sp.	Way and Purchon (1981) ¹⁵
				<i>Janthinidae</i>	<i>Janthina prolongata</i>	Way and Purchon (1981) ¹⁵
					Blainville 1822	
				<i>Vankoroidea</i>	<i>Vankoro cancellata</i> Reeve	Way and Purchon (1981) ¹⁵
				<i>Vankoro ligata</i> (Récluz 1843)		Way and Purchon (1981) ¹⁵

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
	Calyptaroidea	Calyptraeidae		<i>Calyptrea extinctorium</i> (Lamark 1822)		Way and Purchon (1981) ¹⁵
				<i>Crepidula walshi</i> Reeve 1859		Way and Purchon (1981) ¹⁵
	Xenophoroidea	Xenophoridae		<i>Xenophora solaris</i> (L. 1764)	<i>Haliophobus solaris</i> (L. 1767)	Way and Purchon (1981) ¹⁵
				<i>Tugurium indicum</i> (Reeve 1842)		Way and Purchon (1981) ¹⁵
Stromboidea	Strombidae		<i>Lambis chiragra</i> (L. 1758)	<i>Lambis chiragra chiragra</i> (L. 1758)	Tan <i>et al.</i> (2008) ¹⁴ and Way and Purchon (1981) ¹⁵	
			<i>Lambis lambis</i> (L. 1758)		Kee Alfian <i>et al.</i> (2005), Way and Purchon (1981) ¹⁵ and Personal collections 1.7	
			<i>Lambis scorpius</i> (L. 1758)		Personal collections 1.7	
			<i>Lambis scorpius indomaris</i> Abbott 1961		Personal collections 1.7	
			<i>Strombus dilatatus</i> Swainson 1821	<i>Strombus dilatatus dilatatus</i> Swainson 1821	Way and Purchon (1981) ¹⁵	
			<i>Strombus aurisdiænae aurisdiænae</i> L. 1758		Way and Purchon (1981) ¹⁵	
			<i>Strombus canarium</i> L. 1758		Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶	
			<i>Strombus decoris decoris</i> (Röding 1798)		Way and Purchon (1981) ¹⁵	
			<i>Strombus epidromis</i> L. 1758		Way and Purchon (1981) ¹⁵	
			<i>Strombus labiatus</i> Röding 1798		Arshad <i>et al.</i> (2001)	
			<i>Strombus lentiginosus</i> L. 1758		Personal collections 1.7	
			<i>Strombus luhuanus</i> L. 1758		Way and Purchon (1981) ¹⁵	
			<i>Strombus marginatus</i> L. 1758	<i>Strombus marginatus</i> <i>marginatus</i> L. 1758 ¹⁵	Way and Purchon (1981) ¹⁵	
				<i>Strombus marginatus</i> <i>robustus</i> Sowerby 1874 ^{15,16}	Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶	
				<i>Strombus marginatus succinctus</i> ¹⁶	Zaidi <i>et al.</i> , 200816	
			<i>Strombus ureus</i> L. 1758		Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶	
			<i>Strombus variabilis</i> Swainson 1820	<i>Strombus variabilis variabilis</i> Swainson 1820 ¹⁵	Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵	
			<i>Strombus vittatus</i> L. 1758		Arshad <i>et al.</i> (2001)	
			<i>Strombus vittatus vittatus</i> L. 1758		Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Terebellum terebellum</i> (L. 1758)	Way and Purchon (1981) ¹⁵	
				<i>Tibia fusus</i> L. 1758	Way and Purchon (1981) ¹⁵	
Cypraeoidea	Cypraeidae	Cypraeidae		<i>Cypraea annulus</i> L. 1758	Way and Purchon (1981) ¹⁵ , Zaidi <i>et al.</i> (2008) ¹⁶ and Personal collections 17	
				<i>Cypraea arabica immanis</i> (Schilder and Schilder)	Personal collections 17	
				<i>Cypraea arabica</i> L. 1758	Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵	
				<i>Cypraea argus</i> L. 1758	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Cypraea asellus</i> L. 1758	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Cypraea bistrinotata</i> Schilder and Schilder 1937	Way and Purchon (1981) ¹⁵	
				<i>Cypraea caputserpentis</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Cypraea cameola</i> L. 1758	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Cypraea caurica</i> L. 1758	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Cypraea cibraria</i> L. 1758	Tan <i>et al.</i> (2008) ¹⁴ and Way and Purchon (1981) ¹⁵	
				<i>Cypraea cylindrica</i> Born 1778	Way and Purchon (1981) ¹⁵	
				<i>Cypraea erosa</i> L. 1758	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Cypraea errores</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Cypraea helvolala</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Cypraea hinundo</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Cypraea isabella</i> L. 1758	Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵	
				<i>Cypraea kieneri</i> Hidalgo 1906	Way and Purchon (1981) ¹⁵	
				<i>Cypraea lamarchii</i> Gray 1829	Way and Purchon (1981) ¹⁵	
				<i>Cypraea lynx</i> L. 1758	Way and Purchon (1981) ¹⁵	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Cypraea mappa</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Cypraea mauritiana</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Cypraea miliaris</i> Gmelin 1790		Way and Purchon (1981) ¹⁵
				<i>Cypraea moneta</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Cypraea nucleus</i> L. 1758		Personal collections 17
				<i>Cypraea onyx</i> L. 1758		Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Cypraea ovum</i> Gmelin 1791		Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Cypraea pulchra</i> Gray 1824		Personal collections 17
				<i>Cypraea pyriformis</i> Gray 1824		Way and Purchon (1981) ¹⁵
				<i>Cypraea quadrinucleata</i> Gray 1824		Way and Purchon (1981) ¹⁵
				<i>Cypraea talpa</i> L. 1758		Way and Purchon (1981) ¹⁵ and Personal collections 17
				<i>Cypraea tigris</i> L. 1758		Arshad <i>et al.</i> (2001), Tan <i>et al.</i> (2008) ¹⁴ ,
						Way and Purchon (1981) ¹⁵ and Personal collections 17
				<i>Cypraea ventriculus</i> Lamarck 1810		Personal collections 17
				<i>Cypraea vitellus</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Cypraea walkeri</i> Sowerby 1832		Way and Purchon (1981) ¹⁵
				<i>Tridia oryza</i> (Lamarch 1810)		Way and Purchon (1981) ¹⁵
		Velutinoidea	Triviidae	<i>Ovula ovum</i> (L. 1758)		Tan <i>et al.</i> (2008) ¹⁴
		Cypraeoidea	Ovulidae	<i>Pseudosimnia</i> sp.		Way and Purchon (1981) ¹⁵
				<i>Voluta volva</i> (L. 1758)		Way and Purchon (1981) ¹⁵
		Naticoidea	Naticidae	<i>Eunaticina papilla</i> (Gmelin 1791)		Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵
				<i>Natica antoni</i> Philippi 1851		Way and Purchon (1981) ¹⁵
				<i>Natica euzona</i> Fécluz 1844		Way and Purchon (1981) ¹⁵
				<i>Natica lineata</i> Röding 1798		Arshad <i>et al.</i> (2001), Jambari <i>et al.</i> (2000) and Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Natica maculosa</i> Lamarck 1822		
				<i>Natica tigrina</i> (Röding 1798)		

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Natica vitellus</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
				<i>Notocochlis gualteriana</i> Récluz 1844	Jambari et al. (2000)	
				<i>Policines cf. melanostomoides</i> (Q. and G. 1833)	Wey and Purchon (1981) ¹⁵	
				<i>Policines mammilla</i> (L. 1758)	<i>Polinices tumidus</i> (Swainson 1840)	Jambari et al. (2000), Kee Alifan et al. (2005) and Wey and Purchon (1981) ¹⁵
				<i>Polinices melanostomus</i> (Gmelin 1791)	Zaidi et al. (2008) ¹⁶	
				<i>Polinices albumen</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
				<i>Polinices didyma</i> (Röding 1798)	Wey and Purchon (1981) ¹⁵ and Zaidi et al. (2008) ¹⁶	
				<i>Polinices mammatus</i> (Röding 1798)	Wey and Purchon (1981) ¹⁵	
				<i>Polinices melanostomoides</i> (Q. and G. 1833)	Wey and Purchon (1981) ¹⁵	
				<i>Polinices poussianus</i> (Récluz 1844)	Wey and Purchon (1981) ¹⁵	
				<i>Polinices pyriformis</i> (Récluz 1844)	Arshad et al. (2001)	
				<i>Polinices</i> sp.	Wey and Purchon (1981) ¹⁵	
				<i>Sinum neritoideum</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
				<i>Sinum planulatum</i> (Récluz, 1843)	Wey and Purchon (1981) ¹⁵ and Personal collections 1.7	
	Tortoidea	Cassidae	Cassis	<i>Cornuta</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
				<i>Phatium areola</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
				<i>Phatium bandatum</i> (Perry 1811)	Wey and Purchon (1981) ¹⁵	
				<i>Phatium bisulcatum</i> (Schubert and Wagner 1829)	Wey and Purchon (1981) ¹⁵	
				<i>Phatium glaucum</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
	Bursidae			<i>Bufonaria rana</i> (L. 1758)	Wey and Purchon (1981) ¹⁵	
				<i>Bursa granularis</i> (Röding, 1798)	Personal collections 1.7	
				<i>Bursa lamarkii</i> Deshayes	Personal collections 1.7	
				<i>Bursa lampas Linnaeus</i>	Personal collections 1.7	
				<i>Colubrellina granularis</i> (Röding 1798)	Wey and Purchon (1981) ¹⁵	
	Ranellidae			<i>Cymatium (Sepia) pileare</i> (L. 1758)	Personal collections 1.7	
				<i>Cymatium flaveolum</i> (Röding 1798)	Personal collections 1.7	
				<i>Cymatium hepaticum</i> (Röding 1798)	Personal collections 1.7	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Cymatium lotorum</i> (L. 1758)		Personal collections 17
				<i>Cymatium nicobaricum</i> (Röding 1798)		Personal collections 17
				<i>Cymatium tenuiliratum</i> (Lischke 1873)		Personal collections 17
				<i>Cymatium vespaceum</i> Lamark 1822		Personal collections 17
				<i>Distorsio decussata</i> (Valenciennes 1832)		Personal collections 17
				<i>Distorsio reticulata</i> (Röding 1798)		Way and Purchon (1981) ¹⁵
				<i>Gyrineum natator</i> (Röding 1798)	Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵	
				<i>Gyrineum pusillum</i> (Broderip 1833)	Personal collections 17	
				<i>Ranularia cundata</i> Gmelin	<i>Ranularia caudatum</i> (Gmelin 1791)	Way and Purchon (1981) ¹⁵
				<i>Ranularia exilis</i> (Reeve, 1844)		Way and Purchon (1981) ¹⁵
				<i>Septa pileare</i> (L. 1758)		Way and Purchon (1981) ¹⁵
	Tomidae			<i>Toma dolium</i> (L. 1758)		Way and Purchon (1981) ¹⁵
				<i>Toma olearium</i> Bruguière		Way and Purchon (1981) ¹⁵
				<i>Toma sulcosa</i> (Born 1778)		Way and Purchon (1981) ¹⁵
				<i>Toma tessellata</i> (Lamark 1816)		Way and Purchon (1981) ¹⁵
	Ficoidae			<i>Ficus ficoides</i> (Lamark 1822)		Way and Purchon (1981) ¹⁵
				<i>Ficus gracilis</i> (Sowerby, G. B. (I) 1825)		Way and Purchon (1981) ¹⁵
Muricoidea	Muricidae			<i>Chicoreus (Rhizophorimurex) capucinus</i>	Berry (1972), Jambari <i>et al.</i>	
				Lamark 1822	(2000) and Sasekumar (1974) ¹¹	
				<i>Chicoreus (Triplex) brunneus</i> (Link 1807)	Jambari <i>et al.</i> (2000) ¹⁷	
				(Pilsbry 1921)		
				<i>Chicoreus (Triplex) torrefactus</i>	Tan <i>et al.</i> (2008) ¹⁴	
				(Sowerby 1841)	Way and Purchon (1981) ¹⁵	
				<i>Chicoreus inflatus</i> (Lamark 1822)	<i>Chicoreus ramosus</i> (L. 1758)	Way and Purchon (1981) ¹⁵
				<i>Cronia (Cronia) amygdala</i> (Kiener 1835)		Way and Purchon (1981) ¹⁵
				<i>Cronia fisicella</i> (Gmelin 1791)		Way and Purchon (1981) ¹⁵
				<i>Drupa (Drupina) glossularia</i> Röding 1798	<i>Drupa grossularia</i>	Personal collections 17
				<i>Drupa musiva</i>	Jambari <i>et al.</i> (2000)	
				<i>Drupa ochrostoma</i> (de Blainville 1832)	<i>Mancinella mancinella</i> (L. 1758)	Way and Purchon (1981) ¹⁵
				<i>Drupa ricinus</i> (L. 1758)		Personal collections 17
				<i>Drupa rubisidaeus</i>		Personal collections 17

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Drupella cornuta</i> (Röding 1798)		Personal collections 17
				<i>Drupella rugosa</i> (Born 1778)	Kee Alfiar et al. (2005), Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Ergalatex marginaticola</i> (Broderip, in Broderip and Sowerby 1833)	<i>Cronia marginaticola</i> Jambari et al. (2000)	
				<i>Hansetium hastellum</i> (L. 1758)		Way and Purchon (1981) ¹⁵
				<i>Moricodrupa funiculus</i> (Wood 1828)		Way and Purchon (1981) ¹⁵
				<i>Morula (Hebronomorula) spinosa</i> (H. and A. Adams 1853)	Arshad et al. (2001), Kee Alfiar et al. (2005) ⁵ , Tan et al. (2008) ¹⁴ ,	
					Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Morula (Morula) musiva</i> (Kiener, 1835)	Jambari et al. (2000) and Way and Purchon (1981) ¹⁵	
				<i>Morula squamosa</i> Pease 1867	<i>Thais squamosa</i> ^a Arshad et al. (2001) and Jambari et al. (2000)	
				<i>Murex cf. trapa</i> Röding 1798	Way and Purchon (1981) ¹⁵	
				<i>Murex occa</i> Sowerby 1834	Way and Purchon (1981) ¹⁵	
				<i>Murex trapa</i> Röding 1798	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Nucella copicina</i> (Röding 1798)	Way and Purchon (1981) ¹⁵	
				<i>Pteryolus pinnatus</i> (Swainson 1822)	<i>Murex martinianus</i> Reeve 1845 Lim (1963) ⁷ and Zaidi et al. (2008) ¹⁶	
				<i>Purpura bufo</i> (Lamarck 1822)	Way and Purchon (1981) ¹⁵	
				<i>Rapona rapiformis</i> (Von Born 1778)	Way and Purchon (1981) ¹⁵	
				<i>Thais (Mancinella) doloma</i> (Röding 1798)	Personal collections 17	
				<i>Thais (Mancinella) echinata</i> (Blainville 1832)	Arshad et al. (2001) Kee Alfiar et al. (2005) and Way and Purchon (1981) ¹⁵	
				<i>Thais (Thaisella) gradata</i> (Jonas 1846)	Zaidi et al. (2008) ¹⁶	
				<i>Thais (Thaisella) malayensis</i> (Tan and Sigurdsson 1996)	Jambari et al. (2000)	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Thais (Thaisella) pinangensis</i>	Tan and Sigurdsson (1996) ¹³	
				<i>Thais (Thaisella) rufotincta</i>	Tan and Sigurdsson (1996) ¹³	
				<i>Thais (Thaisella) tissoti</i> (Petit 1852)	Berry (1972), Lim (1963) ⁷ , Sasekumar (1974) ¹¹ and Way and Purchon (1981) ¹⁵	
				<i>Thais (Thalessa) sauvignyi</i> (Deshayes 1844)	Way and Purchon (1981) ¹⁵	
				<i>Thais bitubercularis</i>	<i>Mancinella bitubercularis</i> (Lamark 1822)	Way and Purchon (1981) ¹⁵
				<i>Thais carinifera</i> (Lamark 1822)	Way and Purchon (1981) ¹⁵	
				<i>Thais clavigera</i> (Küster 1859)	Tan and Sigurdsson (1990) ¹² and Way and Purchon (1981) ¹⁵	
				<i>Thais kieneri</i>	Jambari <i>et al.</i> (2000)	
Mitridae				<i>Mitra (Nebularia) ferruginea</i> Lamark 1811	Personal collections 17	
				<i>Mitra (Nebularia) fraga</i>	<i>Mitra friga</i> Q. and G (1833)	
				Quoy and Gaimard 1833	Jambari <i>et al.</i> (2000) and Way and Purchon (1981) ¹⁵	
				<i>Mitra (Strigatella) sentulata</i> (Gmelin 1791)	<i>Mitra sentulata</i> Gmelin (1791)	Way and Purchon (1981) ¹⁵
				<i>Mitra nemitarum</i> Röding 1798	<i>Mitra adusta</i>	Personal collections 17
				<i>Mitra mitra</i> (L. 1758)	Way and Purchon (1981) ¹⁵	
Costellariidae				<i>Verilium (Verilium) coccineum</i> (Reeve 1844)	<i>Verilium coccinea</i> Reeve (1844)	Way and Purchon (1981) ¹⁵
				<i>Verilium (Costellaria) sanguisuga</i> (L. 1758)	<i>Verilium sanguisugum</i> (L. 1758)	Kee Alfan <i>et al.</i> (2005) and Way and Purchon (1981) ¹⁵
				<i>Verilium (Verilium) melongena</i>	<i>Verilium melongena</i> (Lamark 1811)	Way and Purchon (1981) ¹⁵
						Way and Purchon (1981) ¹⁵
						Way and Purchon (1981) ¹⁵
Vasidae				<i>Vasum curvibratum</i> (Sowerby 1874)	<i>Vasum curvibratum</i> (Sowerby 1874)	Way and Purchon (1981) ¹⁵
				<i>Vasum ceranicum</i> (L. 1758)	<i>Vasum ceranicum</i> (L. 1758)	Way and Purchon (1981) ¹⁵
				<i>Vasum turbinellus</i> (L. 1758)	<i>Vasum turbinellus</i> (L. 1758)	Way and Purchon (1981) ¹⁵
Harpidae				<i>Harpa articularis</i> Lamark 1822	<i>Harpa articularis</i> Lamark 1822	Way and Purchon (1981) ¹⁵

Table 2. Continue

Class	Subclass	Superfamily	Family	Species	Name in original text:	References
				<i>Harpa major</i> Röding 1798	<i>Harpa major</i> Röding 1798	Way and Purchon (1981) ¹⁵ and Personal collections 17
Volutidae				<i>Cymbiola (Cymbiola) vespertilio</i> L. 1758	<i>Cymbiola (Aulicina) vespertilio</i> L. 1758	Arshad <i>et al.</i> (2001) ¹
				<i>Cymbiola (Cymbiola) nobilis</i> Lightfoot 1786	<i>Cymbiola nobilis</i> Lightfoot 1786	Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Melo melo</i> (Lightfoot 1786)		Way and Purchon (1981) ¹⁵ and Zaidi <i>et al.</i> (2008) ¹⁶
Marginellidae				<i>Cryptospira elegans</i> (Gmelin 1791)		Way and Purchon (1981) ¹⁵
				<i>Cryptospira tricincta</i> (Hinds 1844)		Way and Purchon (1981) ¹⁵
				<i>Cryptospira ventricosa</i> (Fischer 1807)		Way and Purchon (1981) ¹⁵
Coralliphilidae				<i>Coralliphila neritoides</i> (Lamark 1816)		Kee Alfian <i>et al.</i> (2005) and Tan <i>et al.</i> (2008) ¹⁴
Buccinoidea	Columbellidae		<i>Astyris lunata</i> (Say 1826)	<i>Columbella duclosiана</i>	Berry (1972), Sasekumar (1974) ¹¹ and Way and Purchon (1981) ¹⁵	
				Sowerby 1844	Zaidi <i>et al.</i> (2008) ¹⁶	
				<i>Euplica scripta</i> (Lamark 1822)	Jambari <i>et al.</i> (2000)	
				<i>Mitrilla</i> sp.	Personal collections 17	
				<i>Pyrene flava</i> Bruguiere	Way and Purchon (1981) ¹⁵	
				<i>Pyrene scripta</i> (Lamark 1822)	And Zaidi <i>et al.</i> (2008) ¹⁶	
				<i>Pyrene versicolor</i> (Sowerby 1832) ¹⁶	Way and Purchon (1981) ¹⁵	
				<i>Pyrene testudinaria</i>	Way and Purchon (1981) ¹⁵	
				<i>Zafra</i> sp.	Jambari <i>et al.</i> (2000)	
Buccinidae				<i>Babylonia spirata</i> (L. 1758)	Way and Purchon (1981) ¹⁵	
				<i>Cantharus forticosatus</i> (Reeve 1846)	Way and Purchon (1981) ¹⁵	
				<i>Cantharus fumosus</i> (Dillwyn 1817)	Way and Purchon (1981) ¹⁵	
				<i>Cantharus transquebaricus</i>	Way and Purchon (1981) ¹⁵	
				<i>Cantharus undosus</i> (L. 1758)	Way and Purchon (1981) ¹⁵ and Personal collections 17	
				<i>Engina armillata</i> (Reeve 1846)	Way and Purchon (1981) ¹⁵	
				<i>Engina mendicana</i> (L. 1758)	Way and Purchon (1981) ¹⁵	
				<i>Engina zepa</i> (Duclaux 1883)	Jambari <i>et al.</i> (2000)	
				<i>Himantia nivea</i> (A. Adams 1851)	Way and Purchon (1981) ¹⁵	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Phos senticosus</i>		Arshad <i>et al.</i> (2001) and Way and Purchon (1981) ¹⁵
				<i>Pisania ignea</i> (Gmelin 1790)		Way and Purchon (1981) ¹⁵
				<i>Pseudoneptunaea varicosa</i> (Kiener 1840)		Way and Purchon (1981) ¹⁵
Melongenidae			<i>Pugilina ternatana</i> (Gmelin 1791)	<i>Hemifusus ternatanus</i>		Way and Purchon (1981) ¹⁵
				(Gmelin 1791) ¹⁵		and Zaidi <i>et al.</i> (2008) ¹⁶
			<i>Pugilina cochlidium</i> (L. 1758)	<i>Melongena pugilina</i> (Born 1778) ¹⁵		Way and Purchon (1981) ¹⁵
Nassariidae			<i>Nassarius (Niatica) venusta</i>		Jambari <i>et al.</i> (2000)	
			<i>Nassarius albescens</i> (Dunker 1846)		Zaidi <i>et al.</i> (2008) ¹⁶	
			<i>Nassarius cf. crenulatus</i> (Lamarc 1816)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius foveolatus</i> (Dunker 1847)		Berry (1972)	
			<i>Nassarius glandiosa</i>		Way and Purchon (1981) ¹⁵	
			<i>Nassarius globosus</i> (Q. and G. 1833)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius jacksonianus</i> (Q. and G. 1833)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius livescens</i> (Philippi 1848)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius olivaceus</i> (Bruguière 1789)		Berry (1972) and Way and Purchon (1981) ¹⁵	
			<i>Nassarius pullus</i> (L. 1758)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius quadrosi</i> (Hidalgo 1904)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius randus</i> (A. Adams 1851)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius tereticulus</i> (A. Adams 1851)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius velutus</i> (Gould 1850)		Way and Purchon (1981) ¹⁵	
			<i>Nassarius venustus</i> (Dunker 1847)		Zaidi <i>et al.</i> (2008) ¹⁶	
Fasciolariidae			<i>Fasciolaria filamentosa</i> Lamarc 1822		Way and Purchon (1981) ¹⁵	
			<i>Fasciolaria trapezium</i> (L. 1758)		Way and Purchon (1981) ¹⁵	
			<i>Fusinus novaehollandiae</i> Reeve 1848		Way and Purchon (1981) ¹⁵	
			<i>Latirus mediamericanus</i>		Personal collections 17	
			Hertlein and Strong 1951			
			<i>Latirus turritus</i> (Gmelin 1791)		Personal collections 17	
Olivoidea	Olividae		<i>Oliva annulata</i> Gmelin 1791		Personal collections 17	
			<i>Oliva bulbosa</i> (Röding 1798)	<i>Oliva gebbosa</i> (Born 1778)	Way and Purchon (1981) ¹⁵	
			<i>Oliva elegans</i> Lamarc 1810		Way and Purchon (1981) ¹⁵	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Oliva miniaeaa</i> Röding, 1798	Way and Purchon (1981) ¹⁵	
				<i>Oliva diva</i> (L. 1758)	Way and Purchon (1981) ¹⁵	
				<i>Oliva pacifica</i> Marrat 1871	Way and Purchon (1981) ¹⁵	
				<i>Oliva rufofulgurata</i> Schepman 1911	Way and Purchon (1981) ¹⁵	
				<i>Oliva sericea</i> Röding 1798	Kee Alfian et al. (2005)	
				<i>Oliva tigrina</i> Lamarck 1811	Way and Purchon (1981) ¹⁵	
				<i>Oliva vidua</i> (Röding 1798)	Way and Purchon (1981) ¹⁵	
	Cancellarioidea	Cancellariidae		<i>Cancellaria asperella</i> Lamarck 1822	Way and Purchon (1981) ¹⁵	
				<i>Trigonostoma scalariformis</i>	Way and Purchon (1981) ¹⁵	
				(Lamarck 1822)		
	Conoidea	Turridae		<i>Epidironda multiserrata</i> (E.A. Smith 1877)	Way and Purchon (1981) ¹⁵	
				<i>Eucithara</i> sp.	Way and Purchon (1981) ¹⁵	
				<i>Gemmula unedo</i> (Kiener 1840)	Way and Purchon (1981) ¹⁵	
				<i>Inquisitor crenularis</i> (Lamarck 1822)	Way and Purchon (1981) ¹⁵	
				<i>Inquisitor gibbosaa</i> (Born 1778)	Way and Purchon (1981) ¹⁵	
				<i>Lophiotoma indica</i> (Röding 1798)	Personal collections 17	
				<i>Turricula javana</i> (L. 1758)	Way and Purchon (1981) ¹⁵	
				<i>Turricula tornata formata</i> Dillwyn 1817	Way and Purchon (1981) ¹⁵	
				<i>Turris crispa</i> (Lamarck 1816)	Way and Purchon (1981) ¹⁵	
	Conoidea	Conidae		<i>Conus achatinus</i> Gmelin 1791	Way and Purchon (1981) ¹⁵	
				<i>Conus ammiralis</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Conus arenatus</i> Hwass in Bruguière 1792	Way and Purchon (1981) ¹⁵	
				<i>Conus betulinus</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Conus capitaneus</i> L. 1758	Personal collections 17	
				<i>Conus characteristicus</i> Fischer von Waldheim 1807	Way and Purchon (1981) ¹⁵	
				<i>Conus consors</i> G. B. Sowerby II 1833	Way and Purchon (1981) ¹⁵	
				<i>Conus coronatus</i> Gmelin 1791	Way and Purchon (1981) ¹⁵	
				<i>Conus eximus</i> Reeve 1849	Way and Purchon (1981) ¹⁵	
				<i>Conus generalis</i> L. 1767	Way and Purchon (1981) ¹⁵	
					and Personal collections 17	
					Way and Purchon (1981) ¹⁵	
				<i>Conus glans</i> Hwass in Bruguière 1792	Way and Purchon (1981) ¹⁵	
				<i>Conus magus</i> L. 1758	Way and Purchon (1981) ¹⁵	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Conus marmoratus</i> L. 1758		Tan <i>et al.</i> (2008) ¹⁴ , Way and Purchon (1981) ¹⁵ and Personal collections 17
				<i>Conus miles</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Conus militaris</i> Hwass in Bruguière 1792		Way and Purchon (1981) ¹⁵
				<i>Conus mus</i> Hwass in Bruguière 1792		Personal collections 17
				<i>Conus mustellinus</i> Hwass in Bruguière 1792		Way and Purchon (1981) ¹⁵
				<i>Conus nussatella</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Conus ochroleucus</i> Gmelin 1791	<i>Conus eburneus</i> Hwass in Bruguière 1792	Way and Purchon (1981) ¹⁵
				<i>Conus pennaceus</i> Born 1778	<i>Conus episcopus</i> Hwass in Bruguière 1792	Way and Purchon (1981) ¹⁵
				<i>Conus planorbis</i> Born 1778		Personal collections 17
				<i>Conus pulicarius</i> Hwass in Bruguière 1792		Way and Purchon (1981) ¹⁵
				<i>Conus querincus</i> sensu Lightfoot 1786	<i>Conus querincus</i> Lightfoot 1786	Way and Purchon (1981) ¹⁵
				<i>Conus stramineus</i> Lamark 1810		Way and Purchon (1981) ¹⁵
				<i>Conus striatus</i> L. 1758		Way and Purchon (1981) ¹⁵
				<i>Conus tessulatus</i> Born 1778		Way and Purchon (1981) ¹⁵ and Personal collections 17
				<i>Conus textile</i> L. 1758		Way and Purchon (1981) ¹⁵ and Personal collections 17
				<i>Conus vexillum</i> Gmelin 1791		Personal collections 17
				<i>Conus virgo</i> L. 1758		Kee Alffan <i>et al.</i> (2005), Way and Purchon (1981) ¹⁵ and Personal collections 17
				<i>Conus voluminalis</i> Reeve 1843	<i>Conus macaræ</i> Bernardi 1857	Way and Purchon (1981) ¹⁵
	Terebridae			<i>Hasilula albula</i> (Menke 1843)		Way and Purchon (1981) ¹⁵
				<i>Hasilula cf. trailli</i> (Deshayes 1859)		Way and Purchon (1981) ¹⁵
				<i>Hastula nitida</i> (Hinds 1844)		Way and Purchon (1981) ¹⁵
				<i>Terebra amilis</i> Röding 1798		Way and Purchon (1981) ¹⁵
				<i>Terebra areolata</i> (Link 1807)		Way and Purchon (1981) ¹⁵
				<i>Terebra babylonica</i> Lamarck 1822		Way and Purchon (1981) ¹⁵ and Personal collections 17

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Terebra cf. triseriata</i> Gray 1834	Way and Purchon (1981) ¹⁵	
				<i>Terebra commaculata</i> Gmelin 1791	Way and Purchon (1981) ¹⁵	
				<i>Terebra dimidiata</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Terebra duplicita</i> L. 1758	Way and Purchon (1981) ¹⁵	
				<i>Terebra maculata</i> (L. 1758)	Arshad <i>et al.</i> (2001), Kee Alifian <i>et al.</i> (2005) and Way and Purchon (1981) ¹⁵	
				<i>Terebra spectabilis</i> Hinds 1843	Way and Purchon (1981) ¹⁵	
				<i>Terebra subulata</i> (L. 1767)	Way and Purchon (1981) ¹⁵	
				<i>Terebra undulata</i> Gray 1834	Arshad <i>et al.</i> , 2001	
Rissoidea	Assimineidae	<i>Assiminea</i> (<i>Ovassiminea</i>) <i>brevicula</i> (Pfeiffer 1854)			Jambari <i>et al.</i> (2000)	
Heterobranchia	Architectonicoidae	<i>Iravadiidae</i>	<i>Iranadia bombayana</i> Stoliczka	<i>Architectonica perspectiva</i> (L. 1758)	Jambari <i>et al.</i> (2000)	
			<i>Architectonicidae</i>		Way and Purchon (1981) ¹⁵	
Bivalvia	Protobranchia	Nuculanoidae	<i>Ellobiidae</i>	<i>Auriculastra subula</i> (Quoy and Gaimard 1832)	Berry (1972)	
Pteriomorpha	Arcidae	Arcidae		<i>Nuculana bellula</i> (A. Adams 1856)	Morris and Purchon (1981) ⁸	
				<i>Anadara antiquata</i> (L. 1758)	Morris and Purchon (1981) ⁸	
				<i>Anadara gibosa</i> (Reeve 1843)	Arshad <i>et al.</i> (2001)	
				<i>Anadara granosa</i> (L. 1758)	Morris and Purchon (1981) ⁸	
				<i>Arca aveliana</i> Lamarck 1819	Morris and Purchon (1981) ⁸	
				<i>Arca boucardi</i> Jousseaume 1894	Kee Alifian <i>et al.</i> (2005) ⁵ and Tan <i>et al.</i> (2008) ¹⁴	
				<i>Arca navicularis</i> Bruguière 1789	Morris and Purchon (1981) ⁸	
				<i>Arca ventricosa</i> Lamarck 1819	Personal collections 17	
				<i>Barbatia bistrigata</i> (Dunker 1853)	Morris and Purchon (1981) ⁸	
				<i>Barbatia foliata</i> (Forsskål 1775)	Zaidi <i>et al.</i> (2008) ¹⁶	
				<i>Barbatia fusca</i> (Bruguière 1789)	Morris and Purchon (1981) ⁸	
					and Personal collections 17	
					Morris and Purchon (1981) ⁸	
				<i>Barbatia helblingii</i> (Bruguière 1789)	Morris and Purchon (1981) ⁸	
				<i>Scapharca cornuta</i> (Reeve 1844)	Zaidi <i>et al.</i> (2008) ¹⁶	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Scapharca inaequivalvis</i> (Bruguière 1789)		Morris and Purchon (1981) ⁸
				<i>Scapharca indica</i> (Cmelyn 1791)		And Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Trisidus tortuosus</i> (L. 1758)		Morris and Purchon (1981) ⁸
					Zaidi <i>et al.</i> (2008) ¹⁶	
Cucullaeidae				<i>Cucullaea concamerata</i> (Martini 1777)		Morris and Purchon (1981) ⁸
Mytilidae				<i>Arcuatula arcuata</i> (Hamley 1843)		Morris and Purchon (1981) ⁸
				<i>Brachidontes variabilis</i> (Krauss 1843)		Morris and Purchon (1981) ⁸
				<i>Gregariella striatula</i> (Hamley 1843)		Morris and Purchon (1981) ⁸
				<i>Lithophaga malaccana</i> (Reeve 1857)		Morris and Purchon (1981) ⁸
				<i>Lithophaga nasuta</i> (Philippi 1846)		Morris and Purchon (1981) ⁸
				<i>Lithophaga teres</i> (Philippi 1846)		Morris and Purchon (1981) ⁸
				<i>Modiolus aratus</i> (Dunker 1856)		Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Modiolus philippinarum</i> Hanley 1843		Morris and Purchon (1981) ⁸
				<i>Perna viridis</i> (L. 1758)		and Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Septifer bilocularis</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Septifer excisus</i> (Wiegmann 1837)		Morris and Purchon (1981) ⁸
Isognomonidae				<i>Isognomon atlatus</i> (Cmelyn 1791)		Personal collections 17
				<i>Isognomon dentifer</i> (Krauss 1848)		Morris and Purchon (1981) ⁸
				<i>Isognomon ephippium</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Isognomon isognomon</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Isognomon perna</i> (L. 1767)		Morris and Purchon (1981) ⁸
Pinnidae				<i>Atrina pectinata</i> (L. 1767)		Idris <i>et al.</i> (2007), Morris and Purchon (1981) ⁸ , Tan <i>et al.</i> (2008) ¹⁴ and Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Atrina vexillum</i> (Born 1778)		Arshad <i>et al.</i> (2001), Idris <i>et al.</i> (2007), Morris and Purchon (1981) ⁸ and Zaidi <i>et al.</i> (2008) ¹⁶

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Pimna bicolor</i> Gmelin 1791	<i>Pimna atropurpurea</i> ³	Idris <i>et al.</i> (2007), Morris and Purchon (1981) ⁸ , Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Pimna deltodes</i> (Menke 1843)		Idris <i>et al.</i> (2007), Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Pimna incurva</i> Gmelin 1791		Idris <i>et al.</i> (2007), Morris and Purchon (1981) ⁸ and Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Pimna muricata</i> L. 1758		Idris <i>et al.</i> (2007) ¹⁶
		Pteridae		<i>Electroma alacorvi</i> (Dillwyn 1817)		Morris and Purchon (1981) ⁸
				<i>Pinctada margaritifera</i> (L. 1758)		Arshad <i>et al.</i> (2001), Kee Alfiان <i>et al.</i> (2005), Morris and Purchon (1981) ⁸ , Tan <i>et al.</i> (2008) ¹⁴ , and Personal collections 17
				<i>Pinctada radiata</i> (Leach 1814)		Idris <i>et al.</i> (2007) ¹⁶ , Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Pteria abicular</i>		Tan <i>et al.</i> (2008) ¹⁴
				<i>Pteria columbus</i> (Röding 1758)		Personal collections 17
				<i>Pteria penguin</i> (Röding 1798)		Kee Alfiان <i>et al.</i> (2005)
		Malleidae		<i>Mallenus albus</i> Lamarck 1819		Kee Alfiان <i>et al.</i> (2005), Morris and Purchon (1981) ⁸ , Zaidi <i>et al.</i> (2008) ¹⁶ and Personal collections 17
				<i>Mallenus malleus</i> (L. 1758)		Personal collections 17
				<i>Mallenus regula</i> (Forskal 1775)		Morris and Purchon (1981) ⁸
	Pectinoidea	Pectinidae		<i>Amusium pleuronectes</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Chlamys senatoria</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Chlamys trapezia</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Chlamys varia</i> (Linné 1758)	<i>Pecten varius</i>	Personal collections 17
				<i>Dentalopecten phica</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Minivola pyxidata</i> (Born 1778)	<i>Pecten pyxidatus</i> (Born 1778)	Morris and Purchon (1981) ⁸
				<i>Pecten flabellatus</i> Lamarck 1819		Morris and Purchon (1981) ⁸

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Pedum spondyloideum</i> (Gmelin 1791)	Kee Alfian <i>et al.</i> (2005), Morris and Purchon (1981) ⁸ , Tan <i>et al.</i> (2008), Tan <i>et al.</i> (2008) ¹⁴ and Personal collections 17	
Spondylidae			<i>Spondylus barbatus</i> Reeve 1856	<i>Spondylus barbatus</i> Reeve 1856	Morris and Purchon (1981) ⁸ , Tan <i>et al.</i> (2008) ¹⁴	
				<i>Spondylus gussonii</i> Costa O.G. 1829	Personal collections 17	
				<i>Spondylus nicobaricus</i> Schreibers 1793	<i>Spondylus hystrix</i> Röding 1798	Kee Alfian <i>et al.</i> (2005) and Morris and Purchon (1981) ⁸
Picatuloidae	Picatulidae			<i>Spondylus squamosus</i> Schreibers 1793	<i>Spondylus duccalis</i>	Personal collections 17
				<i>Plicatula plicata</i> (L. 1767)	<i>Plicatula plicata</i> (L. 1767)	Morris and Purchon (1981) ⁸
Anomioidea	Anomiidae			<i>Anomia cythereum</i> Gray 1849	<i>Anomia cythereum</i> Gray 1849	Morris and Purchon (1981) ⁸
				<i>Enigmonia aenigmatica</i> Sowerby	<i>Enigmonia aenigmatica</i> Sowerby	Morris and Purchon (1981) ⁸
Placunidae				<i>Placuna erythripium</i> (Philipsen 1788)	<i>Placuna erythripium</i> (Philipsen 1788)	Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Placuna placenta</i> (L. 1758)	<i>Placuna placenta</i> (L. 1758)	Morris and Purchon (1981) ⁸
Limoidea	Limidae			<i>Ctenoides scabra</i> (Born 1778)	<i>Lima scabra</i>	Personal collections 17
				<i>Lima lima</i> (L. 1758)	<i>Lima lima</i> (L. 1758)	Morris and Purchon (1981) ⁸
				<i>Limaria fragilis</i> (Gmelin 1791)	<i>Limaria fragilis</i> (Gmelin 1791)	Morris and Purchon (1981) ⁸
Ostroidea	Ostreidae			<i>Alectryonella plicatula</i> (Gmelin 1791)	<i>Alectryonella plicatula</i> (Gmelin 1791)	Morris and Purchon (1981) ⁸
				<i>Crassostrea gigas</i> (Thunberg 1793)	<i>Crassostrea gigas</i> (Thunberg 1793)	Lam and Morton (2009) ⁶
				<i>Dendostrea folium</i> (L. 1758)	<i>Dendostrea folium</i> (L. 1758)	Lam and Morton (2009) ⁶
				<i>Hyotissa hyotis</i> (L. 1758)	<i>Hyotissa hyotis</i> (L. 1758)	Morris and Purchon (1981) ⁸ , and Tan <i>et al.</i> (2008) ^{14, 17}
				<i>Hyotissa imbricata</i> (Lamarck 1819)	<i>Hyotissa imbricata</i> (Lamarck 1819)	Lam and Morton (2009) ⁶
				<i>Hyotissa numismata</i> (Lamarck 1819)	<i>Hyotissa numismata</i> (Lamarck 1819)	Morris and Purchon (1981) ⁸
				<i>Lopha cristagalli</i> (L. 1758)	<i>Lopha cristagalli</i> (L. 1758)	Kee Alfian <i>et al.</i> (2005), Tan <i>et al.</i> (2008) ¹⁴ and Personal collections 17
				<i>Ostrea denselamellosa</i> Lischke 1869	<i>Ostrea denselamellosa</i> Lischke 1869	Morris and Purchon (1981) ⁸
				<i>Ostrea palmipes</i> Sowerby 1871	<i>Ostrea palmipes</i> Sowerby 1871	
				<i>Planostrea pestiginis</i> (Hanley 1846)	<i>Planostrea pestiginis</i> (Hanley 1846)	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Saccostrea cucullata</i> (Born 1778)	<i>Saccostrea cucullata</i> (Born 1778)	Arshad <i>et al.</i> (2001), Lam and Morton (2009) ^e and Morris and Purchon (1981) ^g
				<i>Saccostrea echinata</i> (Quoy and Gaimard 1836)		Morris and Purchon (1981) ^g
				<i>Saccostrea mordax</i> (Gould 1850)		Lam and Morton (2009) ^f
Heterodontia	Chamoidea	Chamidae		<i>Chama lazarus</i> L. 1758		Morris and Purchon (1981) ^g
				<i>Chama pacifica</i> (Broderip 1834)		Morris and Purchon (1981) ^g
				<i>Chama spinosa</i> Broderip 1834		Morris and Purchon (1981) ^g
	Galeommatoidea	Galeommatidae		<i>Sentilla ambigua</i> (Deshayes 1855)		Morris and Purchon (1981) ^g
				<i>Sentilla philippinensis</i> Deshayes 1856		Morris and Purchon (1981) ^g
	Cardioidea	Cardiidae		<i>Cornulium cardissa</i> (L. 1758)		Morris and Purchon (1981) ^g
				<i>Fragum subretusum</i> (Sowerby 1841)		Morris and Purchon (1981) ^g
				<i>Fulvia papryacea</i> (Bruguière 1789)		Morris and Purchon (1981) ^g
				<i>Laevicardium attenuatum</i> (Sowerby 1841)		Morris and Purchon (1981) ^g
				<i>Laevicardium australe</i> (Sowerby 1841)		Morris and Purchon (1981) ^g
				<i>Trachycardium elongatum</i> (Bruguière, 1789)	Morris and Purchon (1981) ^g	Morris and Purchon (1981) ^g
				<i>Trachycardium flavidum</i> (L. 1758)		Morris and Purchon (1981) ^g
				<i>Trachycardium leucostoma</i> Born		Morris and Purchon (1981) ^g
				<i>Vepricardium asiaticum</i> (Bruguière 1789)		Morris and Purchon (1981) ^g
				<i>Vepricardium multispinosum</i> (Sowerby 1838)		Morris and Purchon (1981) ^g
Cardioidea	Tridaenidae			<i>Hippopus hippopus</i> (L. 1758)		Morris and Purchon (1981) ^g
				<i>Tridaena (Chametrachea) crocea</i> Lamarck 1819	<i>Tridaena crocea</i> Lamarck (1819)	Kee Alfian <i>et al.</i> (2005), Morris and Purchon (1981) ^g and Personal collections 17
				<i>Tridaena (Chametrachea) maxima</i> (Röding 1798)	<i>Tridaena maxima</i> Röding 1798	Kee Alfian <i>et al.</i> (2005), Morris and Purchon (1981) ^g , Tan <i>et al.</i> (2008) ^{j4} and Personal collections 17

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Tridacna squamosa</i> Lamark 1819	Kee Alfian <i>et al.</i> (2005), Morris and Purchon (1981) ⁸ , Tan <i>et al.</i> (2008) ¹⁴ and Personal collections 17	
Mactroidea	Mactridae	Heterocardia gibbosula Stoliczka 1871			Morris and Purchon (1981) ⁸	
		<i>Lutraria rhynchaena</i> Jones			Morris and Purchon (1981) ⁸	
		<i>Macra incongrua</i> Deshayes 1854			Morris and Purchon (1981) ⁸	
		<i>Macra bilacea</i> Lamark 1818			Morris and Purchon (1981) ⁸	
		<i>Macra mera</i> Reeve 1853			Morris and Purchon (1981) ⁸	
Mesodesmatidae	Atrioidea glabrata	(Gmelin 1791)			Morris and Purchon (1981) ⁸	
		<i>Caeocella horsfieldii</i> Gray 1853			Morris and Purchon (1981) ⁸	
		<i>Davila plana</i> (Hanley 1843)			Morris and Purchon (1981) ⁸	
Galeommatoidea	Laseidae			<i>Raeta pulchella</i> (Adams and Reeve 1830)	Morris and Purchon (1981) ⁸	
Solenoidea	Solenidae	<i>Pharella acutidens</i> (Broderip and Sowerby 1829)			Zaidi <i>et al.</i> (2008) ¹⁶	
		<i>Pharella javanica</i> (Lamark 1818)			Zaidi <i>et al.</i> (2008) ¹⁶	
		<i>Solen lamarkii</i> Deshayes 1839			Zaidi <i>et al.</i> (2008) ¹⁶	
		<i>Solen vagina</i> L. 1758		<i>Solen brevis</i> Hanley 1842	Morris and Purchon (1981) ⁸	
Cultellidae	Cultellidae	<i>Cultellus lacteus</i> (Spengler 1794)			Morris and Purchon (1981) ⁸	
Tellinoidea	Pharidae	<i>Pharella javanica</i> (Lamark 1818)			Morris and Purchon (1981) ⁸	
		<i>Siliqua albida</i> (Adams and Reeve 1850)			Morris and Purchon (1981) ⁸	
		<i>Tellina remies</i> L. 1758		<i>Cyclotellina remies</i> (L. 1758)	Morris and Purchon (1981) ⁸	
		<i>Macona gubernaculum</i> (Hanley 1844)			Morris and Purchon (1981) ⁸	
		<i>Moerella lux</i> (Hanley 1844)			Morris and Purchon (1981) ⁸	
		<i>Pinguitellina pudica</i> (Hanley 1844)			Morris and Purchon (1981) ⁸	
		<i>Tellina scobinata</i> L. 1758		<i>Sentarcopagia scobinata</i> (L. 1758)	Morris and Purchon (1981) ⁸	
		<i>Tellinella spengleri</i> (Gmelin 1791)			Morris and Purchon (1981) ⁸	
		<i>Tellinides sulcatus</i> (Deshayes 1854)			Morris and Purchon (1981) ⁸	
		<i>Quidnipogus palatum</i> (Fredale 1929)			Morris and Purchon (1981) ⁸	
Donaciidae		<i>Donax cuneatus</i> L. 1758			Morris and Purchon (1981) ⁸	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Donax faba</i> Chemnitz in Schröter 1782		Arshad <i>et al.</i> (2001) and Morris and Purchon (1981) ⁸
				<i>Donax incarnatus</i> Chemnitz in Schröter 1782		Morris and Purchon (1981) ⁸
				<i>Donax variabilis</i> Say 1822		Morris and Purchon (1981) ⁸
		Psammobidae	<i>Asaphis deflorata</i> (L. 1758)		Morris and Purchon (1981) ⁸	
			<i>Gari amethystus</i> (Wood 1815)		Morris and Purchon (1981) ⁸	
			<i>Orbicularia orbicularia</i> (Wood 1828)		Morris and Purchon (1981) ⁸	
			<i>Psammotellina minor</i> (Deshayes 1854)		Morris and Purchon (1981) ⁸	
			<i>Psammotellina tenuis</i> (Deshayes 1854)		Morris and Purchon (1981) ⁸	
			<i>Soletellina violacea</i> (Lamarck 1818)		Morris and Purchon (1981) ⁸	
		Scenidae	<i>Scenella sinensis</i> A. Adams 1853		Morris and Purchon (1981) ⁸	
			<i>Theora lata</i> (Hinds 1843)		Morris and Purchon (1981) ⁸	
		Solecurtidae	<i>Solecurtus philippinarum</i> Dunker		Morris and Purchon (1981) ⁸	
		Trapezidae	<i>Trapezium bicarinatum</i> (Schumacher 1817)		Morris and Purchon (1981) ⁸	
	Articacea				Morris and Purchon (1981) ⁸	
	Corbiculoidae	Corbiculidae	<i>Corbicula solidula</i> Prime 1861		Morris and Purchon (1981) ⁸	
			<i>Polyymesoda erosa</i> (Lightfoot 1786)	<i>Geloina coacans</i> (Gmelin 1971)	Morris and Purchon (1981) ⁸	
	Veneroidea	Veneridae	<i>Amarantis grata</i> (Deshayes 1853)		Morris and Purchon (1981) ⁸	
			<i>Antigona lamellaris</i> Schumacher 1817		Morris and Purchon (1981) ⁸	
			<i>Callanaitis calophylla</i> (Philippi 1836)		Morris and Purchon (1981) ⁸	
			<i>Cire scripta</i> (L. 1758)		Morris and Purchon (1981) ⁸	
			<i>Clavisinella chlorotica</i> (Philippi 1849)		Zaidi <i>et al.</i> (2008) ¹⁶	
			<i>Dosinia bisecta</i> (Reeve 1850)		Morris and Purchon (1981) ⁸	
			<i>Dosinia cretacea</i> (Reeve 1850)		Morris and Purchon (1981) ⁸	
			<i>Dosinia dilecta</i> A. Adams 1855		Morris and Purchon (1981) ⁸	
			<i>Dosinia histrio</i> (Gmelin 1784)		Morris and Purchon (1981) ⁸	
			<i>Gaffarium discors</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸	
			<i>Gaffarium dispar</i> (Dillwyn 1817)		Arshad <i>et al.</i> (2001) and Morris and Purchon (1981) ⁸	
			<i>Gaffarium divaricatum</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸	
			<i>Gaffarium pectinatum</i> (L. 1758)		Morris and Purchon (1981) ⁸	
			<i>Gaffarium tumidum</i> Röding 1798		Morris and Purchon (1981) ⁸	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Katelysia hiantina</i> (Lamark 1818)	<i>Marcia hiantina</i> (Lamark 1818)	Morris and Purchon (1981) ⁸
				<i>Katelysia japonica</i> (Gmelin 1791)	<i>Marcia japonica</i> (Gmelin 1791)	Morris and Purchon (1981) ⁸
				<i>Lioconcha castrensis</i> (L. 1758)		Personal collections 17
				<i>Marcia marmorata</i> (Lamark 1818)		Morris and Purchon (1981) ⁸
				<i>Marcia opima</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Menetrix lusoria</i> (Röding 1798)		Morris and Purchon (1981) ⁸
				<i>Menetrix lyra</i> (Sowerby 1851)		Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Menetrix meretrix</i> (L. 1758)		Arshad <i>et al.</i> (2001) and Morris and Purchon (1981) ⁸
				<i>Paphia alapapilionis</i> Röding, 1798		Personal collections 17
				<i>Paphia euglypta</i> (Philippi 1847)		Morris and Purchon (1981) ⁸
				<i>Paphia rotundata</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Paphia textile</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Paphia undulata</i> (Burm 1780)		Morris and Purchon (1981) ⁸
				<i>Pelecyora trigona</i> (Reeve 1853)		Morris and Purchon (1981) ⁸
				<i>Periglypta puerpera</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Periglypta reticulata</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Pitar affinis</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Placamen tiara</i> (Dillwyn 1817)		Zaidi <i>et al.</i> (2008) ¹⁶
				<i>Protapes gallus</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Ruditapes philippinarum</i> (Adams and Reeve 1850)	<i>Tapes philippinarum</i>	Morris and Purchon (1981) ⁸ and Adams and Reeve (1850)
				<i>Ruditapes variegatus</i> (Sowerby 1852)	<i>Tapes variegata</i> Sowerby 1860	Arshad <i>et al.</i> (2001) ⁸
				<i>Sunetta contempta</i> Smith 1891		Morris and Purchon (1981) ⁸
				<i>Tapes literata</i> L.	<i>Tapes literatus</i> (L. 1758)	Morris and Purchon (1981) ⁸
				<i>Tapes punctiferus</i> (Lamark 1818)		Morris and Purchon (1981) ⁸
				<i>Timoclea scabra</i> (Hanley 1844)		Morris and Purchon (1981) ⁸
				<i>Pericola lapidea</i> (Gmelin 1791)		Morris and Purchon (1981) ⁸
				<i>Glaucostoma virens</i> (L. 1767)		Morris and Purchon (1981) ⁸
				<i>Myoidae</i>		Morris and Purchon (1981) ⁸
				<i>Corbulidae</i>	<i>Corbulia albuginososa</i> Hinds 1843	

Table 2: Continue

Class	Subclass	Superfamily	Family	Species	Name in original text	References
				<i>Corbula crassa</i> Reeve 1843		Morris and Purchon (1981) ⁸
				<i>Corbula modesta</i> Hinds 1843		Morris and Purchon (1981) ⁸
				<i>Corbula tumicatta</i> Hinds 1843		Morris and Purchon (1981) ⁸
Gastrochaenoidea			Gastrochaenidae	<i>Gastrochaena cuneiformis</i>		Morris and Purchon (1981) ⁸
				Spengler 1783		
				<i>Gastrochaena cymbium</i> Spengler 1783		Morris and Purchon (1981) ⁸
Pholadoidea	Pholadidae			<i>Jouannechia globulosa</i> (Q. and G. 1835)		Morris and Purchon (1981) ⁸
				<i>Marlesia striata</i> (L. 1758)		Morris and Purchon (1981) ⁸
				<i>Pholas orientalis</i> Gmelin 1791		Morris and Purchon (1981) ⁸
Carditoidea	Carditidae			<i>Beginina senioribulata</i> (L. 1758)		Personal collections 17
				<i>Cardita variegata</i> Bruguière 1792		Morris and Purchon (1981) ⁸
Paleoheterodontia	Unionidae			<i>Ensis dens ingallsianus</i> (Lea 1852)		Morris and Purchon (1981) ⁸

Remarks: Validity of names is based on database of World Register of Marine Species (WoRMS), SeaLifeBase Portal and The Taiwan Malacofauna Database. Species names that are listed as Malaysian records but not listed in the databases are marked as asterisk. Source of references for Table 2

was done by Purchon and Purchon (1981) and the specimens are currently stored in British Natural History Museum.

The number of species from these available documents seems far too small than the total number of described marine shelled mollusc. Based on essentially non-overlapping regional checklist by Bouchet (2006), 52,525 species of marine molluscs were documented while WoRMS has recorded 28,055 valid marine mollusc species so far and the list is still growing. In 2004, the Panglao Marine Biodiversity Project- PANGLAO 2004, that involved 70 participants from 16 countries has put the small Panglao Island of Philippines on the world map by discovering about 5,000-6,000 species of marine molluscs in this 40-day expedition (Bouchet *et al.*, 2009). Located in the same high biodiversity region, Malaysia should be able to contribute valuable data or even possible discovery of new species. In recent years, foreign scientists have been collecting and documenting the marine mollusc found in Malaysian waters (Tan and Sigurdsson, 1990, 1996; Lam and Morton, 2009). Tan and Sigurdsson (1996) even described a new species base on the specimen from Penang and named it *Thais pinangensis* (Muricidae). The development of marine shelled mollusc taxonomy in Malaysia is still measured eventhough this country is blessed with rich and high biodiversity resources.

Addressing the problem: What is the urgency in diversity study? In order for Malaysia to address the biodiversity issues, there is an urgent need for a depository centre with sufficient space and facilities and curators. Good storage facilities and reliable database network facility should also be established. Besides specimen deposit facility, there is an urgent need of well-trained taxonomists in Malaysia. The study of taxonomy in Malaysia only started in the 1970's with the establishment of local universities. However, marine mollusc taxonomy has never become the centre of interest in any of the present university. With the advancement in biotechnology and molecular-level studies in recent years, many scientists realised that marine organisms could provide great resources for these studies. But the lack of database information on species diversity could be a drawback for these studies since we do not even fully know the extent of species in our aquatic ecosystem. The lack of funding in supporting taxonomy study is another factor that limits the proliferation of marine-shelled mollusca diversity study. From sample collection to specimen storage, sufficient long-term grant support is needed.

DISCUSSION

With a total of 4,675 km of coastline (Peninsular Malaysia 2,068km, East Malaysia 2,607 km), there are still much undocumented habitat in our seas. Marine-shelled mollusc is a massive group that definitely needs more than a handful of scientist to work on it. With the lack of exposure, it would be hard to attract young enthusiast to gain interest in mollusc taxonomic study. Currently in Malaysia, there is no facility for such exposure. Museums in Malaysia focus more on cultural collection but lack of biodiversity and natural history collection.

One will never know what he lost if he never know what he had. There are 42 islands in Malaysia which are declared as Marine Parks, but without the biodiversity data, one will never know whether the marine protected areas are well maintained and protected. With the rate that animal species are becoming extinct increasing every day, the need of cataloguing marine shelled mollusc is urgent.

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