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Chapter 1: Exploring Fauna of Indonesia

NUZANTAKA

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Upon completion of Chapter 1, you should be able to:

- 1. talk about an animal native to Indonesian wildlife;
- 2. identify specific information about Indonesian wildlife; and
- 3. describe characteristics and features of an animal.

Unit 1. Bekantan





Look at the picture and answer the questions that follow.



Picture 1.1 In the library

- a. What animal is it?
- b. What do you know about this animal?
- c. Can you name other animals native to Indonesia's wildlife?



a. Listen to Audio 1.1. Andre and Monita are talking about Bekantan's physical features. Then, fill in the gaps. See the **Word Box**.

Bekantan	
	 Bekantan is a reddish-brown <u>monkey</u> with a long and big nose.
	Its is about 6-22 kilograms.
	Its height is around to cm.
	nosed monkey.
	Bekantan is a type of
	Its scientific name is

Source: PublicDomainPictures/pixabay.com Worksheet 1.1

Word Box pardon: maaf (mohon diulangi) primate: hewan primata weight: berat badan height: tinggi badan tail: ekor interesting: menarik reddish-brown: (berwarna) coklat kemerahan scientific name: nama ilmiah

Monita, what are you reading? Bekantan I think I am going to talk about this primate for my Science project next week! Martiniani eta Uris a natutati karan manke nin Ling and trig none. Ito weight is bein 6-22 Marginas and its height and als to The Inc. M. Maren, and a March and a Martiniani and grouped in others and are grouped in others and Bekanton: e.g. HOUR & HA Cool! It's the reddish-brown monkey with a long and big nose, right? Yes. And Bekantan is quite big. Its weight is about 6-22 kilograms and its height is around Interestingly, 55 to 76 cm. its tail is almost as long as its body!

Part 1 What's in a name? This is *Bekantan*

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b. Listen to Audio 1.2. Andre and Monita are talking about the habitat of Bekantan. Then, read statements in Worksheet 1.2. Write T if the statement is true and F if it is false. See the **Word Box.**



Part 2 Habitat *Where does it live?*





- 1. We can find Bekantans mostly in Kalimantan.
- 2. Bekantans are the mascot of the capital city of South Kalimantan.
- 3. There are not many Bekantans in Borneo forest.
- 4. Mangroves are rainforests that meet the mountain.
- 5. Animals that live in trees are called arboreals.
- 6. Bekantans usually eat, sleep, and play on trees

Worksheet 1.2



a. Listen to the Audio 1.3. Andre and Monita are talking about Bekantan's Behaviors and diet. While listening, look at Comic Strip 1.3, then circle the correct word you hear in the brackets. See the **Word Box.**



Picture 1.3 Bekantan's Behavior





Comic Strip 1.3

b. Listen again to Audio 1.3. Put the ideas in the correct groups based on the dialog above.

Bekantans' behaviors	1) Go down to the forest floor 2) 3)
Bekantans' diets	 4) Young leaves 5) 6)

c. Listen to Audio 1.4. Andre and Monita are talking about Bekantans' predators. Then, put the Bekantans' predators and threats in the order that you hear them in the dialog. See the **Word Box.**



Word Box

predator: pemangsa destruction: perusakan disappear: menghilang; punah; hancur endangered: terancam punah up to: hingga



Part 4 Predator and threat



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Monitor lizards	Crocodiles
Pythons	
Leopards	
Crocodiles	
Habitat destruction	
Human's activities	

Worksheet 1.4



Can you guess how Bekantans use their nose? They use their long and big nose to attract mates. They use it to impress females or to intimidate rival males. The other unique characteristic of Bekantans is that they can swim. They do this to escape their predators such as crocodiles and cross rivers to find food.

(Adapted from: https://www.nationalgeographic.com/animals)



Picture 1.5 Bekantan Inside the Mangrove Forest

WORDS

Word Box

neck: leher

intelligence: kecerdasan mammal: hewan beranak, mamalia bluish white: putih kebiru-biruan graying black: hitam keabu-abuan featherless patch: kulit tak berbulu bamboo shoots: tunas bambu; rebung a. Noun Groups

Study the following explanation about how to describe the characteristics of an animal. Then, do the exercise that follows. Number 1 has been done as an example.

To give more information about an animal, we can use a noun group. Take a look at these examples:

- A long-nosed monkey
- A reddish-brown monkey

A noun group is a group of words around a noun or a headword. It contains a main noun (e.g. *A monkey*). The other words in the noun group such as *long-nosed*, *reddish-brown* are adjectives. They tell more about the main noun. We write the adjectives before the noun. Let's take a look at the following examples:

- Monkey
- The monkey
- The big monkey
- The big, long-nosed monkey in a mangrove tree
- The big, long-nosed, reddish-brown monkey in a mangrove tree
- The big, long-nosed, reddish-brown monkey in a mangrove tree is playing.

The noun groups above are all about a monkey. We can see that as the sentences get longer, the adjectives give us more information about the monkeys. The descriptive words help us picture the monkey clearly. Using noun groups helps us to communicate a lot of information in a quick way.

- 1. The <u>two big, long-nosed, hairy monkeys</u> are climbing the mangrove trees.
- 2. A strong, large, black gorilla is feeding on bamboo shoots.
- 3. That big, tall, grayish black mammal is called an elephant.
- 4. Orangutans are large, reddish-orange primate that are famous for their intelligence.
- 5. The female Helmeted Hornbill has a bluish white featherless patch on its neck.
- 6. Komodo dragons are the largest living lizards on Earth.



Listen to Audio 1.5. You will hear information reports about two animals. Complete Worksheet 1.6 with the information you hear from Audio 1.5.

After you finish, compare your answers with your classmates.





Worksheet 1.6



What animal am I?

Your teacher will tape an animal card to your back. Stand up and ask **each classmate one yes/no question** to find out what animal it is. After asking a question to each classmate, sit down and guess the animal.





Make a voice note

- a. Record your voice while reading the monolog script you have learned in this unit. Listen to Audio 1.5 in Section 5 as an example.
- b. Then, send your voice note to your class group chat or to your teacher privately.

Unit 2. Orangutan and Gorilla



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Picture B Source: Paula Robinson/unsplash.com



Questions:

- a. Which one is an orangutan? And, which one is a gorilla? Picture A or Picture B?
- b. Do you think they have the same size?
- c. Look at their facial features, are they similar?
- d. Do they have the same colors?



a. Mind Map of Orangutan.



b. Read the text and answer the questions that follow.

Orangutan

Orangutans are great apes from Indonesia. Orangutan means man of the forest. They live in Sumatra and Borneo. The scientific name of Orangutan from Northern Sumatra is Pongo Abelii and the scientific name of Orangutan from Borneo is Pongo Pygmaeus.

Orangutans have big bodies. A male orangutan can be more than 100 kilograms and can be quite tall. His height can be up to 150 centimeters tall. Female orangutans are smaller and shorter than the males. A mature female orangutan's weight is about 40 kilograms. Her height is about 120 centimeters tall.

Orangutans have reddish brown hair. Unlike monkeys, they do not have tails. They have strong arms. They use their arms to swing between branches.

Orangutans live with their small family groups. They usually live in the tree branches where they build their nests. Orangutans' favorite food is fruits. They also eat insects, honey, bird eggs, bark, and plants. They sometimes eat meat too. When they are thirsty, they sometimes drink the water from holes in the tree branches.

Orangutans are an endangered species because their habitat is threatened by people doing deforestation. The number of Bornean orangutans around 2017 was estimated at about 104,000 and the Sumatran orangutans about 7,500.

 (Adapted from: https://www.worldwildlife.org/species/orangutan)
 Image: Comparison of the state of the

Questions:

- 1. Orangutans are ...
 - a. Monkeys
 - b. Apes
 - c. Birds
 - d. Reptiles
- 2. A male orangutan can be ... meters tall.
 - a. 150
 - b. 1.5
 - c. 120
 - d. 1.2
- 3. Orangutans have strong ...
 - a. Arms
 - b. Hair
 - c. Fur
 - d. Tails
- 4. Orangutans can be categorized as ...
 - a. Herbivores
 - b. Carnivores
 - c. Insectivore
 - d. Omnivores
- 5. There are about ... orangutans in Sumatra and Borneo.
 - a. 104,000
 - b. 7,500
 - c. 111,500
 - d. 200

c. Match the pictures with the descriptions of orangutans.

Orangutans favorite food is fruit
A male orangutan can be more than 150 centimeters tall.
Orangutans have big bodies
Orangutans have brown reddish hair
Orangutans have strong arms to swing between branches



Apes and monkeys are two different animals. The first and easiest way to know the difference is by observing the absence or presence of their tails. Monkeys have tails while apes don't. The second thing that we can observe is their body shape. Apes' body shape is similar to humans'. They have larger and heavier bodies than monkeys. Third, we can teach apes to use sign language and technology to communicate with people.

(Adapted from: https://www.rekoforest.org/ field-stories/5-main-differences-between-apes-vs-monkeys/)



a. Study the following expressions about how to define an animal.

First, we can use <u>have</u> or <u>has</u> to describe certain features that belong to an animal, for example:

- A gorilla <u>has</u> black fur.
- An orangutan <u>has</u> black eyes.
- Orangutans and gorillas <u>have</u> long arms.

Note that <u>have</u> follows <u>a plural subject</u> and <u>has</u> follows <u>a singular</u> <u>subject</u>.

Second, we use <u>possessive adjectives</u> to express the features of an animal, for example:

- Gorilla's fur is black
- Orangutans and gorillas' legs are long.

In first example, the subject is singular. So, we add apostrophe+s ('s) after the subject. In second example, the subject is plural and ends with an 's', so the possessive is formed by adding an apostrophe after the 's'. No additional 's' is necessary.

Note that we can change the underlined expressions into:

- Its fur is black.
- Their legs are long.

Depending on the subject, possessive adjectives can take different forms. Look at the table:

Subject	Possessive Adjective
Ι	Му
You	Your
We	Our
They	Their
Не	His
She	Her
It	Its

Table 1.2 Possessive adjectives

b. Fill in the blanks with suitable expressions of have or has.

- 1. Gorillas _____ long arms.
- 2. Bekantan ______ unique shape of nose.
- 3. Gorillas and orangutans ______ similar body sizes.
- 4. Different from orangutans, gorillas _____ black skin.
- 5. An orangutan _____ reddish brown hair.

c. Fill in the blanks with the suitable possessive adjectives.

Galang and 1) <u>his</u> friends are writing a report about the life of Gorillas and Orangutans. Galang divides the task for 2) ______ friends. Monita's task is to find information about Gorillas. 3) ______ notes are about the physical appearance of a gorilla. Andre and Pipit work together to find information about orangutans. 4) ______ task is to take notes about the physical appearance of orangutans. Galang is the captain of the group. 5) ______ task is to collect all of the information and write them as a report. Galang and 6) ______ friends should submit their report on Monday.

Worksheet 1.10

d. Match the picture and the physical appearances of gorillas and orangutans



Laura Seaman/Unsplash.com



Pat Whelen/Unsplash.com

Worksheet 1.12

e. Look at Worksheet 11 and Worksheet 12 again. Fill in the table with a short description of gorillas and orangutans. Number one has been done for you.

Orangutan	Gorilla
1. It has reddish brown hair	1. It has black skin and hair
2	2
3	3
4	4
5	5
l	



Section 4 - Viewing

Unit 2. Orangutan and Gorilla

a. Study the information about orangutans in Indonesia below. Then, answer the questions.



Picture 1.7 Orangutan's Population and Habitat Source: https://www.mongabay.co.id/2017/09/04/konservasi-orangutan-masih-hadapi-kendala-apa-saja/

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Orangutan species	Threats	Conservation Strategies
p. abelii	Habitat conversion into plantation and infrastructure	 Forest management Law enforcement Better landscape planning
p.p. morio	Habitat conversion into farming	Law enforcement for farming
p.p. pygmaeus	Habitat conversion into farming	Law enforcement for farming
p.p.wuembii	Forest fire	Forest management

Table 1.3 Orangutan species, threats, and conservation strategies

Questions:

- 1. What year is the report from?
- 2. What are the four species of Orangutan in Indonesia?
- 3. What species has the biggest population?
- 4. Where do each species live?
- 5. What are the threats of the Orangutan population?
- 6. What are the strategies to prevent the threats?



Section 5 - Your Turn: Reading
Unit 2. Orangutan and Gorilla

a. Read the words. Discuss the meanings of the words with your classmates. You can also check your dictionary.

vegetarians	decrease
tropical	have
scientific	live
become	eat

Table 1.4 Possessive adjectives


b. Read and fill in the blanks with the words in 5a.

	Gorillas
	Gorillas are the largest apes in the world. Gorillas are our closes
C	cousins because they share 98.3% of their genetic code with
n	numans. Their name is Gorilla <i>beringei beringei.</i>
	Carillas have bread shoulders and shorts human like hands
c	Gorillas have broad shoulders and chests, human-like hands mall eyes, and hairless faces. They black skin and
h	nair. Their nostrils are large. Gorillas have behaviors and also
	emotions. They can laugh and show their sadness.
	Gorillas only live in forests of Africa. We can find
g	gorillas in the rain forests of Cameroon and Congo.
+	Gorillas are They eat leaves, shoots, and stalks
Ί	They also sometimes fruits.
	Gorillas in a family group of 6 until 30. The group
	s led by a group leader. The leader is called a silverback. The eader is a male gorilla who will be a leader for years.
1	cauci is a mare gorma who will be a reader for years.
	The females mature when they are seven unti
e	eight years old. Gorillas give birth to only one baby every four to
S	ix years. It makes the gorilla's population every year
Τ	They are now endangered species.
(/	Adapted from: Gorilla Species WWF (worldwildlife.org))

- c. State whether the following statements are true or false according to the text above. Circle T or F.
 - 1. Gorillas are bigger than orangutans
 - 2. We can see gorillas' expressions when they are sad.
 - 3. There is some hair on gorillas faces.
 - 4. The leader of a gorilla's group has silver skin.
 - 5. Female gorillas give birth to only one baby in their life.

T	F
Т	F
T	F

TF

F

Worksheet 1.16

d. Read the texts in Section 2 and 5 again. Complete the diagram to map the differences between orangutans and gorillas.





Play a board game (passive voice, possessive adjective). Follow the instructions below.

- 1. Prepare a dice and some tokens.
- 2. Get yourselves in groups of five.
- 3. With your group members, take turns rolling the dice.
- 4. Move your tokens and do the instruction in every question.
- 5. If your team cannot do the instruction in the box, you must go back to your previous box.
- 6. The winner is the first group that reaches the finish box.



- a. Find one animal that you have talked about in Unit 1.
- b. Make the list of features of an animal such as the physical appearance, habitat, behavior, diet and predator.
- c. Prepare Powerpoint slides for your presentation. If you can't access Powerpoint, you may create a poster.
- d. Report the result to the class

Unit 3. Indonesian Birds



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Picture 1.8 Indonesian Birds

Pay attention to the pictures, then answer the questions that follow.

Questions:

- 1. What is Galang wearing?
- 2. Do you know how it works?
- 3. What does he see through the device?
- 4. Do you know the names of each bird?
- 5. Do you know where they are from?
- 6. Can you make a short description of each bird?



Section 2 - Listening Unit 3. Indonesian Birds

a. Listen to Audio 1.6. Galang, Andre, Monita, and Pipit are watching some birds using a Virtual Reality (VR) headset. They bring their notebooks, and pens. Listen to them talking about the birds that they observe. Then, answer the questions.



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Questions:

- 1. What birds are they watching in the forest?
- 2. What is the color of the bird's neck?
- 3. Where is the bird's nest?
- 4. What is a casque?
- 5. Why do the birds now become critically endangered?

Worksheet 1.18

b. Listen to Audio 1.6 and tick the correct picture of the bird based on the description.







Picture 1.9 Helmeted Hornbill Worksheet 1.19



a. Mind Map of Cendrawasih.



Cendrawasih kuritafsheen77/Freepik.com **Origin:** Eastern Indonesia, Papua New Guinea and Eastern Australia

Diet: fruits and arthropods

Physical traits: bright blue, yellow, scarlet, and green feathers. The males' tails are longer than the females'.

Threats: natural devastation and illegal hunting, reproduction cycle b. Read the text and answer the questions that follow.

Cendrawasih

Cendrawasihs or the birds of paradise are from the family of Paradisaeidae. These birds are easily recognized by their bright blue, yellow, scarlet, and green feathers. The males' tails are longer than the females'. Their tails are known as wires or streamers.

Birds of Paradise live in Eastern Indonesia, Papua New Guinea and Eastern Australia. The diet of these birds are fruits and arthropods. The natural devastation and illegal hunting make Cenderawasih an endangered species. Their reproduction cycle also makes the preservation difficult as they only produce one until two eggs.

Adapted from: https://www.nationalgeographic.com/animals/birds/facts/birds-of-paradise?msclki d=26256016d06b11eca2f6547d404146b0, https://westpapuastory.com/cenderawasih-bird-paradise/

Questions:

- 1. What family does cendrawasih belong to?
- 2. What are the colors of cendrawasih's feathers?
- 3. What is the difference between male and female cendrawasih?
- 4. What is the other name for cendrawasih's tail?
- 5. Where do cendrawasih live?
- 6. What do they eat?
- 7. What makes them endangered?

Worksheet 1.20

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a. Study the following explanation about how to emphasize an action in a sentence. Then, choose the correct form of the verb in brackets.

When we talk about facts or events, we sometimes want to emphasize the action rather than who is doing the action. It means that the action is more important than the doer. We use passive voice to show interest in the person or object that experiences an action. Look at the examples:

- Orangutans' habitat **is threatened** by people doing deforestation.
- The number of Bornean orangutans **is now estimated** at about 104,000 and the Sumatran orangutans about 7,500.
- Bekantan is used as the icon of Banjarmasin, South Kalimantan.
- Bekantans are grouped as arboreal animals.

These are the examples of the changes from active into passive

- Galang brings binoculars to the forest. (Active).
 Binoculars are brought by Galang to the forest. (Passive).
- Monita sees a helmeted hornbill. (Active)
 A helmeted hornbill is seen by Monita. (Passive)
- 1. Bekantan is (find/found) in Kalimantan.
- 2. The leaves are (eat/eaten) by Bekantans.
- 3. Water is (drink/drunk) from holes between tree branches by orangutans.
- 4. The presentation script about Bekantan is (prepare/prepared) by Monita and Andre
- 5. Gorillas are (predict/predicted) to be extinct in 10 years.

- b. Change the sentences into passive and then compare your sentences with one of your classmate's.
 - 1. Monita reads a book about bekantan.
 - 2. Helmeted hornbills feed their chicks.
 - 3. Pipit takes a notebook when she does the bird watch.
 - 4. Some people hunt helmeted hornbills.
 - 5. Bekantan sometimes consumes fruits.

Worksheet 1.22

Did you know?

What is bird watching exactly? It is an activity where birds are observed for the purpose of recreation or science. People who like birdwatching are called birders. Other than simply watching or listening to birds, birders also take notes on their observations, identify the birds they see, and share their findings with other bird enthusiasts. Birders would observe birds' appearance and behavior. Because there are a massive number of bird species in different regions, birders will not run out of things to be excited by.

Sources: https://worldbirds.com/what-is-birding/



Section 5 - Report Unit 3. Indonesian Birds

a. Look at the steps of writing a report in the left column. Put the steps into a good order by numbering the boxes. Then, match the steps with the correct description in the right column by drawing lines.

Gathering Information	We collect information by reading references and making observations.
Organizing Information	We categorize our information into relevant groups
Writing the draft	We write the report into a draft.
Revising and Editing the draft	We check our draft. Then, we revise and edit our drafts.
Publishing your work	We publish our written report as a printed assignment to submit to our teacher. We can also publish our work on social media.

b. Galang and friends are preparing a report about birds. What do you think they should do at every step of making the report? Write them.

Gathering information:

Organizing information:

Writing the draft:

Revising and editing the draft:

Publishing the work:



Look at the fact sheet about Bali starlings. Then, Write a sentence for every point in the infographics. Number 1 has been done for you. You can use passive voice.



- **Threats**: Poaching for illegal songbird trade. This is made worse by habitat loss.
- **Distribution**: Northwest Bali, with a small population introduced onto the small island of Nusa Penida..
- **Habitat**: Forest edges including open shrub savannas and flooded savanna woodlands.
- **Diet/Feeding**: Seeds, insects, fruits and occasionally small reptiles.
- **Social behaviour**: They're monogamous, so form long term pair-bond which are strengthened by mutual preening and displays.
- **Males and females:** There's no obvious difference between males and females, although male crest feather tend to be slightly longer.
- Lifespan: 5 years in the wild, but can live for up to 15 years in captivity.
- Number of young: Clutches often have 2-3 eggs, but normally only 1 survives
- **Interesting fact**: The bali starling is the national bird of Bali. Nearly extinct in the wild, breeding and reintroduction programmes saved occurences.

Text 1.3

1. Point: Threats

Sentence: Poaching for illegal songbird trade is a threat for Bali starlings.

2.	Point:	
	Sentence:	
3.	Point:	
	Sentence:	
4.	Point:	
	Sentence:	
5.	Point:	
	Sentence:	
6.	Point:	
	Sentence:	
7.	Point:	
	Sentence:	
8.	Point:	
	Sentence:	
9.	Point:	
	Sentence:	

Worksheet 1.25



Write a report text about a bird by following the steps below.

- a. Planning and brainstorming
 - 1. Observe birds around your neighborhood area.
 - 2. Choose and observe one type of bird.
 - 3. Make a general note about the bird.

b. Outlining and drafting

Complete the fact file about your selected bird.

Name of bird:		
What is it?		
To what other species is it related?		
What does it look like?		
Where does it live?		
How does it move?		
What does it eat?		
Is it endangered?		
What are its predators?		

Worksheet 1.27

c. Writing and editing

Write your draft of the report text based on the notes in 7a. Then, edit your draft.

d. Proofreading

When you finish writing your report, show your work to a classmate. Let your classmate read your work and give you feedback on the language and content.