Species diversity of amphibians, reptiles and mammals in Suan Sunandha Rajabhat University Samut Songkhram Campus and around area

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Abstract

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1. Introduction

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2. Materials and Methods

2.1. Study site

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Figure 1. The study area in Suan Sunandha Rajabhat University Samut Songkhram Campus, Bang Kaew sub-district, Muang Samut Songkhram (Source: Adapted from Google Earth, 2013)

2.2. Data collection

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Figure 2. Cage drop points and spread nets around Suan Sunandha Rajabhat University Samut Songkhram Campus (Source: Adapted from Google Earth, 2013)

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2.3 Data analysis

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2.3.1 Specific Abundance: A

$$\% A = \frac{\text{A number of time were found (t)}}{\text{All number of studies (T)}} \times 100$$

2.3.2 Relative Abundance

$$RA = \frac{At}{\text{Total of all species}}$$

2.3.3 Relative density

$$RD = \frac{\text{Total of average number of all species}}{\text{species}} \times 100$$

2.3.4 Importance

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3. Results and Discussion

3.1. Species diversity of vertebrates

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Ptyas korros *Chrysopelea ornate* *Coelognathus radiates* *Calotes emma*
Niniventer fulvescens

Table 1. List of vertebrates recorded on the Suan Sunandha Rajabhat University, Samut Songkram Campus

Class	Order	Family	Scientific name	Individuals
			<i>Fejervarya cancrivora</i>	
			<i>Duttaphrynus melanostictus</i>	
			<i>Calotes emma</i>	
			<i>Hermidactylus frenatus</i>	
			<i>Hermidactylus platyurus</i>	
			<i>Eutropis multifasciata</i>	
			<i>Varanus salvator</i>	
			<i>Cerberus rynchops</i>	
			<i>Ptyas korros</i>	
			<i>Lycodon capucinus</i>	
			<i>Chrysopelea ornata</i>	
			<i>Coelognathus radiatus</i>	
			<i>Rattus losea</i>	
			<i>Niniventer fulvescens</i>	
			<i>Calloscuius finlaysonii</i>	
			<i>Macaca fascicularis</i>	

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Duttaphrynus

melanostictus ()

Figure 3. Percentage of vertebrate species in Suan Sunandha Rajabhat University, Samut Songkram Campus

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3.2. Vertebrate species found in each season

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(*Fejervarya cancrivora*) (*Calotes emma* *Varanus*

salvator *Hemidactylus frenatus*, *Hemidactylus platyurus* *Cerberus rynchops*)

(*Calloscirus finlaysonii*)

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Figure 4. Number of vertebrate species in each season in Suan Sunandha Rajabhat University, Samut Songkram Campus

3.3. The species abundance status

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Duttaphrynus melanostictus
(*Calloscuius finlaysonii*)

(*Eutropis multifasciata*)
Macaca fascicularis

Macaca fascicularis

Table 2. Species abundance status of vertebrates in each group recorded on the Suan Sunandha Rajabhat University, Samut Songkram Campus

Common name	Scientific name	t	n	IVI	Status
	<i>Fejervarya cancrivora</i>				
	<i>Duttaphrynus melanostictus</i>				
	<i>Calotes emma</i>				
	<i>Hermidactylus frenatus</i>				
	<i>Hermidactylus platyurus</i>				
	<i>Eutropis multifasciata</i>				
	<i>Varanus salvator</i>				
	<i>Cerberus rynchops</i>				
	<i>Ptyas korros</i>				
	<i>Lycodon capucinus</i>				
	<i>Chrysopelea ornata</i>				
	<i>Coelognathus radiatus</i>				
	<i>Rattus losea</i>				
	<i>Niniventer fulvescens</i>				
	<i>Calloscuius finlaysonii</i>				
	<i>Macaca fascicularis</i>				

3.4. The conservation status

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Table 3. The conservation status of vertebrates in the area of Suan Sunandha Rajabhat University, Samut Songkram Campus

Scientific name	The conservation status

$$\begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \quad \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix} \quad \begin{pmatrix} 1 & 0 \\ 0 & 1 \end{pmatrix}$$

4. Conclusion

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