

**LEMBAR  
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW  
KARYA ILMIAH : JURNAL ILMIAH**

Judul Artikel Ilmiah : **Relationship between Waste with Ectoparasites and Endoparasite (Nematodes and Cestodes) in Rats**  
 Penulis Artikel Ilmiah : **Hermansyah Mamonto, Syamsuar Manyullei, Firdaus Hamid, Anwar Daud, Aminuddin Syam, Agus Bintara Birawida**  
 Identitas Jurnal Ilmiah :  
 a. Nama Jurnal : **South Asian Research Journal of Biology and Applied Biosciences**  
 b. Nomor/Volume/Hal : **Volume 2(4)/79-85**  
 c. Edisi (bulan/tahun) : **2020**  
 d. Penerbit : **SAR Publication**  
 e. Jumlah halaman : **7 (Tujuh)**

Kategori Publikasi Jurnal Ilmiah (beri pada kategori yang tepat)

<input type="checkbox"/>	Jurnal Ilmiah Internasional Bereputasi
<input checked="" type="checkbox"/>	<b>Jurnal Ilmiah Internasional</b>
<input type="checkbox"/>	Jurnal Ilmiah Nasional Terakreditasi
<input type="checkbox"/>	Jurnal Ilmiah Nasional tidak Terakreditasi
<input type="checkbox"/>	Jurnal Ilmiah Nasional Terindeks DOAJ dll.

**I. Hasil Penilaian Validasi**

NO	ASPEK	URAIAN/KOMENTAR PENILAIAN
1	Indikasi Plagiasi	Plagiasi sangat rendah karena hasil turnitin similarity 10%
2	Linearitas	Linear terkait kesehatan lingkungan


**II. Hasil Penilaian Peer Reviewer:**

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah (isikan di kolom yang sesuai)					Nilai Akhir Yang Diperoleh
	Internasional Bereputasi	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	Nasional Terindeks DOAJ dll.	
Kelengkapan dan Kesesuaian unsur isi Jurnal (10%)		2				2
Ruang lingkup dan kedalaman pembahasan (30%)		6				6
Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		6				6
Kelengkapan unsur dan kualitas penerbit (30%)		6				6
Total = (100%)		20				20
Kontribusi Pengusul (Penulis Pertama/Anggota Utama)	Penulis anggota					1,6

**KOMENTAR/ULASAN PEER REVIEW**

Kelengkapan dan Kesesuaian Unsur:	Kelengkapan dan kesesuaian jurnal ini sudah sesuai dengan kriteria jurnal internasional terdori dari introduction, method, result and discussion.
Ruang Lingkup dan Kedalaman Pembahasan :	Masuk dalam bidang kesehatan lingkungan. Pembahasan cukup mendalam mengenai bagaimana hubungan antara Sampah dan keberadaan tikus. Dijelaskan dalam diagram dan tabel sesuai dengan tujuan penelitian.
Kecukupan & Kemutakhiran Data & Metodologi:	Data cukup banyak menggunakan 100 kerangka tikus dengan metode khusus dan mengaitkannya dengan data BUKG.
Kelengkapan Unsur & Kualitas Penerbit	Artikel diterbitkan di jurnal internasional. Memenuhi kualitas jurnal internasional, ada ISSN, corresponding author serta jurnal dapat diakses secara online.

Makassar, November 2021  
 Penilai 1

  
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 Jabatan Pangkat : Pembina Tk 1 (Gol : IV/b)

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 Jurnal Ilmiah Nasional tidak Terakreditasi  
 Jurnal Ilmiah Nasional Terindeks DOAJ dll.

**I. Hasil Penilaian Validasi**


NO	ASPEK	URAIAN/KOMENTAR PENILAIAN
1	Indikasi Plagiasi	<i>Hasil temitin menunjukkan similitud yang sebesar 10%</i>
2	Linearitas	<i>Linear karena masok lingkup pembahasan lingkupnya</i>

**II. Hasil Penilaian Peer Reviewer:**

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah (isikan di kolom yang sesuai)					Nilai Akhir Yang Diperoleh
	Internasional Bereputasi	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	Nasional Terindeks DOAJ dll.	
Kelengkapan dan Kesesuaian unsur isi Jurnal (10%)		2				2
Ruang lingkup dan kedalaman pembahasan (30%)		6				6
Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		6				6
Kelengkapan unsur dan kualitas penerbit (30%)		6				6
Total = (100%)		20				20
Kontribusi Pengusul (Penulis Pertama/Anggota Utama)	<i>Anggota</i>					1,6

KOMENTAR/ULASAN PEER REVIEW	
Kelengkapan dan Kesesuaian Unsur:	<i>Unsur artikel sudah lengkap dan sesuai dengan jurnal internasional yang memuat pendahuluan, tujuan, metode dan diskusi sesuai syarat jurnal internasional</i>
Ruang Lingkup dan Kedalaman Pembahasan :	<i>Ruang lingkup masok, pembahasan dan cukup mendalam menghubungkan antara faktor lingkungan, parasit dan vektor parasit yang berada dalam menggunakan uji statistik yang sesuai tujuan</i>
Kecukupan & Kemutakhiran Data & Metodologi:	<i>Data lengkap dan menggunakan referensi terbaru, metode sudah sesuai tujuan dan hasil yang akan di peroleh</i>
Kelengkapan Unsur & Kualitas Penerbit	<i>Unsur dari kualitas penerbit baik karena memiliki ranking jurnal internasional, bisa akses online</i>

Makassar, November 2021  
 Penilai 2

  
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 Jabatan Pangkat : Pembina Utama Madya (Gol. IV/d)

# Relationship between Waste with Ectoparasites and Endoparasites (Nematodes and Cestodes) in Rats

Link Jurnal : <https://sarpublication.com/journal/saribab/home>

Link Artikel : [https://sarpublication.com/media/articles/SARJBAB\\_24\\_79-85\\_c.pdf](https://sarpublication.com/media/articles/SARJBAB_24_79-85_c.pdf)

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## Original Research Article

### Relationship between Waste with Ectoparasites and Endoparasites (Nematodes and Cestodes) in Rats

Hermansyah Mamonto<sup>1\*</sup>, Syamsuar Manyullei<sup>1</sup>, Firdaus Hamid<sup>2</sup>, Anwar Daud<sup>1</sup>, Aminuddin Syam<sup>3</sup>, Agus Birawida<sup>1</sup>

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#### Article History

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Abstract: This study aims to determine the relationship between waste and ectoparasites and endoparasites (nematodes and cestodes) in rats. The study was conducted in the area of waste management in the city of Makassar, Indonesia. The results of the study show that there is a significant relationship between waste and ectoparasites and endoparasites in rats. The presence of ectoparasites and endoparasites in rats is influenced by the amount of waste and the type of waste. The study also found that the presence of ectoparasites and endoparasites in rats is influenced by the location of the waste and the type of rat. The study concludes that waste management is an important factor in controlling the presence of ectoparasites and endoparasites in rats.

Original Research Article

## Relationship between Waste with Ectoparasites and Endoparasites (Nematodes and Cestodes) in Rats

Hermansyah Mamonto<sup>1\*</sup>, Syamsuar Manyullei<sup>1</sup>, Firdaus Hamid<sup>2</sup>, Anwar Daud<sup>1</sup>, Aminuddin Syam<sup>3</sup>, Agus Birawida<sup>1</sup>

<sup>1</sup>Department of Environmental Health, Faculty of Public Health, Hasanuddin University, Indonesia

<sup>2</sup>Department of Microbiology, Faculty of Medicine, Hasanuddin University, Indonesia

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Hermansyah Mamonto

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**Abstract:** Rats act as a reservoir for various diseases that can be transmitted to humans such as Murine typhus, PES, helminthiasis, and leptospirosis. Therefore, the presence of these mice plays an important role in the epidemiology of disease transmission, because in addition to being a host mouse also acts as a reservoir for several diseases. The zoonotic disease originating from mice is caused by the presence of ectoparasites and endoparasites that live in mice. This study aims to determine the relationship between the presence of waste with ectoparasites and endoparasites in mice. This research is a quantitative study with a cross-sectional design. Data obtained by observing the type of rat, identification of ectoparasites and endoparasites, calculation of success traps, univariate analysis using Chi-square test to determine the relationship between the presence of waste with ectoparasites and endoparasites in mice. The results showed that of the 37 rats caught, 78% were *Rattus norvegicus*, 15% *Suncus murinus*, and 7% *Mus musculus*. This study found 68% of rats infected with *Xenopsylla cheopis* ectoparasite type and 81% infected with endoparasites type from subclass nematode and Cestoda which are zoonotic which can increase the risk of infection in humans. From the test results, it was found that there is a relationship between the presence of waste with endoparasites (nematode and Cestoda) and there is no relationship between the presence of waste with ectoparasites in mice. Therefore, it is necessary to control the mouse regularly.

**Keywords:** Rats, Trash, Zoonosis, Ectoparasites, Endoparasites.