

**INTEGRATION OF CIRCULAR ECONOMY AND
HIFZ AL-BĪ'AH TOWARDS FOOD SUSTAINABILITY
STUDY IN GARDA PANGAN AS A FOOD BANK**

THESIS

Submitted to Fulfill Part of the Requirements
for a Master's Degree in Sharia Economics



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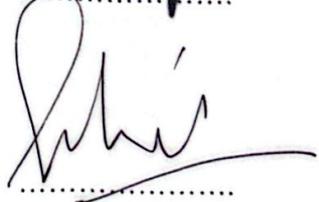
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ABSTRAK

Pemborosan pangan dan pengelolaan pangan berlebih merupakan persoalan krusial dalam sistem pangan perkotaan yang berdampak pada ketahanan pangan, keberlanjutan lingkungan, dan keadilan sosial. Dalam konteks tersebut, praktik food rescue yang dijalankan oleh organisasi bank pangan menjadi salah satu strategi alternatif untuk mendukung keberlanjutan pangan. Penelitian ini bertujuan untuk menganalisis implementasi keberlanjutan pangan dalam kegiatan penyelamatan pangan, penerapan prinsip ekonomi sirkular dalam pengelolaan pangan berlebih, serta integrasi antara ekonomi sirkular dan prinsip *Hifz al-Bī'ah* dalam praktik keberlanjutan pangan di Garda Pangan sebagai bank pangan.

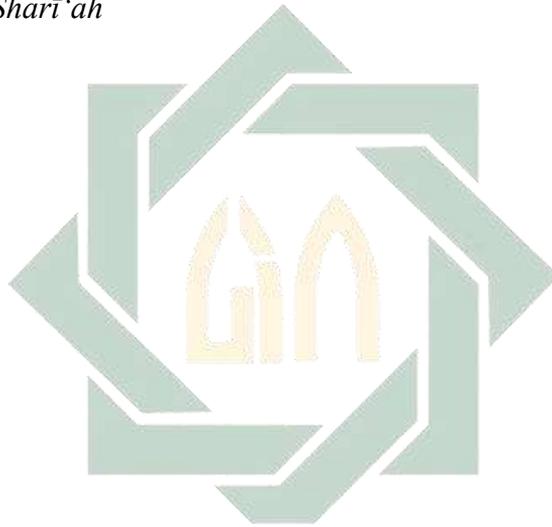
Penelitian ini menggunakan pendekatan kualitatif dengan desain studi kasus. Pengumpulan data dilakukan melalui wawancara mendalam dengan pengelola dan pihak terkait, observasi langsung terhadap proses pengelolaan pangan, serta studi dokumen. Analisis data dilakukan secara deskriptif-analitis dengan menginterpretasikan temuan empiris menggunakan kerangka keberlanjutan pangan, ekonomi sirkular berbasis prinsip 9R, serta konsep *Hifz al-Bī'ah* dalam perspektif *Maqāsid Sharī'ah*.

Hasil penelitian menunjukkan bahwa praktik food rescue di Garda Pangan telah merefleksikan implementasi keberlanjutan pangan melalui peningkatan akses pangan bagi kelompok masyarakat pra-sejahtera, penerapan standar keamanan pangan, serta pengurangan pemborosan dan limbah pangan. Pengelolaan pangan berlebih dijalankan melalui sistem ekonomi sirkular yang terintegrasi, mencakup redistribusi pangan layak konsumsi, dapur umum, pengelolaan material bernilai, serta pengolahan limbah pangan melalui biokonversi maggot Black Soldier Fly (BSF) sebagai mekanisme pemulihan nilai dan regenerasi sumber daya. Praktik tersebut menunjukkan pergeseran dari sistem pangan linier menuju sistem pangan sirkular yang berorientasi pada efisiensi sumber daya dan keberlanjutan lingkungan.

Lebih lanjut, penelitian ini menemukan bahwa penerapan ekonomi sirkular dalam pengelolaan pangan berlebih di Garda Pangan terintegrasi dengan prinsip *Hifz al-Bī'ah*, yang menekankan pencegahan pemborosan (*isrāf* dan *tabdhīr*), perlindungan lingkungan, keseimbangan ekologi (*tawāzun*), serta keberlanjutan sumber daya (*istidāmah*) sebagai amanah manusia. Dalam integrasi tersebut, ekonomi sirkular berfungsi sebagai

mekanisme operasional yang menerjemahkan nilai-nilai etis *Ḥifẓ al-Bī'ah* ke dalam praktik pengelolaan pangan dan limbah secara bertanggung jawab. Dengan demikian, praktik keberlanjutan pangan di Garda Pangan membentuk model pengelolaan pangan yang holistik, kontekstual, serta memiliki legitimasi ekologis dan etis.

Kata Kunci: Food Rescue; Food Sustainability; Ekonomi Sirkular; *Ḥifẓ al-Bī'ah*; *Maqāsid Sharī'ah*



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ABSTRACT

Food waste and excess food management are crucial issues in urban food systems, impacting food security, environmental sustainability, and social justice. In this context, food rescue practices implemented by food banks are an alternative strategy to support food sustainability. This study aims to analyze the implementation of food sustainability in food rescue activities, the application of circular economy principles in excess food management, and the integration of the circular economy and the principles of *Hifz al-Bi'ah* in food sustainability practices at Garda Pangan, a food bank.

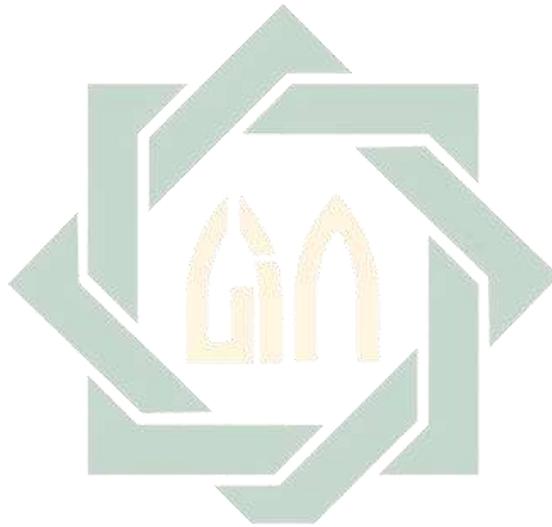
This study employed a qualitative approach with a case study design. Data collection was conducted through in-depth interviews with managers and relevant parties, direct observation of food management processes, and document review. Data analysis was conducted descriptively and analytically, interpreting empirical findings using a food sustainability framework, a circular economy based on the 9R principles, and the concept of *Hifz al-Bi'ah* from the perspective of *Maqāṣid Sharī'ah*.

The research findings indicate that food rescue practices at Garda Pangan reflect the implementation of food sustainability through increased food access for underprivileged communities, the implementation of food safety standards, and the reduction of food waste and wastage. Surplus food management is implemented through an integrated circular economy system, encompassing the redistribution of edible food, public kitchens, the management of valuable materials, and the processing of food waste through Black Soldier Fly (BSF) maggot bioconversion as a mechanism for value recovery and resource regeneration. These practices demonstrate a shift from a linear food system to a circular food system oriented toward resource efficiency and environmental sustainability.

Furthermore, this study found that the implementation of a circular economy in surplus food management at Garda Pangan is integrated with the principle of *Hifz al-Bi'ah*, which emphasizes the prevention of waste (*isrāf* and *tabdhīr*), environmental protection, ecological balance (*tawāzun*), and resource sustainability (*istidāmah*) as a human trust. Within this integration, the circular economy serves as an operational mechanism that translates the ethical values of *Hifz al-Bi'ah* into responsible food and waste management practices. Thus, Garda Pangan's food sustainability

practices form a holistic, contextual food management model that possesses ecological and ethical legitimacy.

Keywords: Food Rescue; Food Sustainability; Circular Economy; *Ḥifẓ al-Bī'ah*; *Maqāṣid Sharī'ah*



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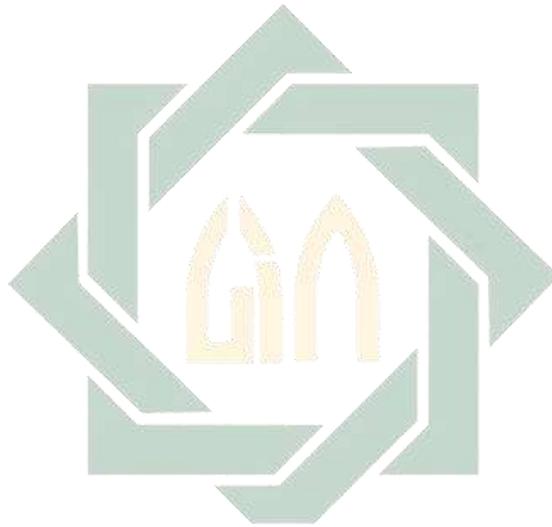
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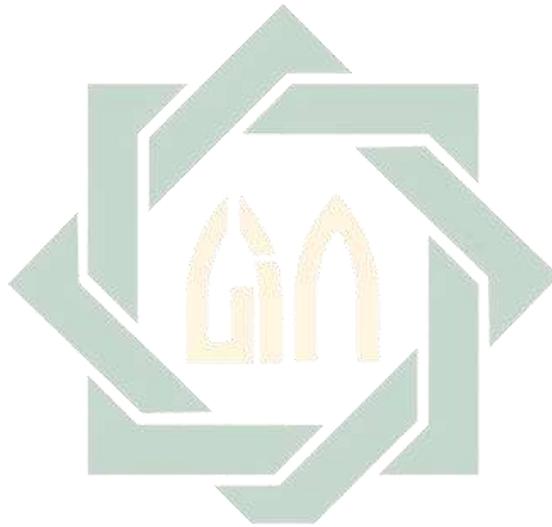
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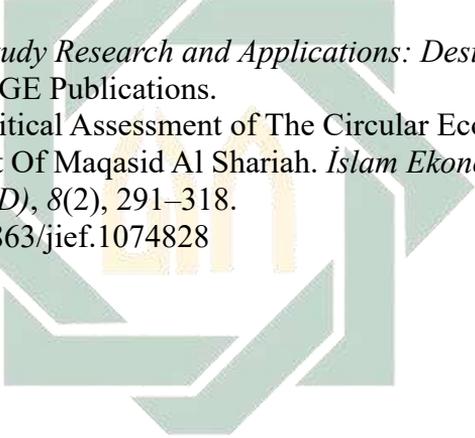
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