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THE APPLICATION OF HALAL STANDARD IN DOLAR COMPANY D.O.O. KALESIJA

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Professional paper

ABSTRACT

This study presents the implementation of the HALAL standard in the slaughtering process at Dolar Company d.o.o., ensuring compliance with BAS 1049:2023. The primary objective is to provide consumers with confidence that the meat products align with their religious beliefs and practices. The implementation covers the entire process from ingredient sourcing to storage and transportation, preventing contamination with non-Halal substances. Special attention is given to defining critical control points in the feed for livestock, which could be a source of contamination. The paper highlights the applicability of legal documentation in meeting HALAL standard demands. The results demonstrate effective compliance with the standards, ensuring the production of Halal meat.

Keywords: HALAL standard, meat industry, haram

Introduction

The goal of this paper is to present the implementation process of the HALAL standard in the slaughtering of large livestock at Dolar Company d.o.o., with a focus on ensuring compliance with BAS 1049:2023. This includes detailing good animal husbandry practices, preslaughter management, and the identification of critical control points to prevent contamination with non-Halal substances.

Good animal husbandry practices

In the production of high-quality halal meat, the process begins with good husbandry practices on

the farm, taking into account management, the post-slaughter slaughter process and management, all the way to the table³. The production of halal meat according to halal system requires good animal husbandry practices particularly on the animal welfare aspect starting at the farm level. Animal welfare as stated by Krishnan and others⁴ are referring to the wellbeing of animals such as the animal care and humane treatment. Good production practice halal GMPH is the meat of animals that are allowed according to Islamic regulations, with the condition that they are properly fed and slaughtered in the manner prescribed by Sharia, it

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implies plant-based nutrition without any components of animal origin.

This criterion excludes the possibility of contamination with BSE (mad cow disease).

Pre-slaughter management

The animal must be humbly unloaded from the truck, well rested and have free access to water in the stalls before slaughter. It is important to feed animals on an empty stomach for at least 12 hours before slaughter in order to reduce the migration of bacteria from the gastrointestinal tract into the meat⁴. However, prolonged food deprivation for more than 24 hours is not humane^{5,6}. To ensure that the meat of animals intended for slaughter is fit for consumption, an ante-mortem examination by a competent veterinarian is of great help. Animal identification for traceability purposes, animal cleanliness, visible abnormalities, as well as indicators of animal welfare threats will be detected during the inspection⁷.

(Good Manufacturing Practice of Halal -) for meat and meat products, it implies the following conditions: 1. Separation of permitted from prohibited feed, 2. Separate accommodation and separate equipment for feeding animals, 3. Separate means of internal and external transport, 4. Separate area and equipment for slaughter, 5. Separate space and equipment in the process of storage and transport and 6. Separate space and equipment in retail and distribution¹.

Slaughtering process

Slaughtering is a vital step for meat quality, safety and animal welfare⁵. In accordance with the requirements of BAS 1049:2010³, the Halal standard is met and certification is carried out according to it by the Agency for Halal Quality Certification in Bosnia and Herzegovina¹. Taking into account that the standard is implemented in accordance with the valid regulations in this area in Bosnia and Herzegovina, it is very important to state that the goal of both is healthy meat after

slaughter. The process of slaughtering large cattle includes the following requirements:

- the animal to be slaughtered must be permitted and must be carefully treated,
- the animal must be healthy and alive, the person performing the act of slaughter must be a Muslim, mentally healthy and qualified for this activity,
- the words (in the name of Allah) must be spoken before slaughtering animals,
- the slaughtering tool must be sharp and must not be lifted from the animal until the act of slaughtering is finished, which means until the trachea, esophagus, and main arteries and veins of the neck region are cut, slaughtering is done from the front of the neck; no part may be removed before the end of the slaughter; the blood must be well drained; it is necessary to take appropriate hygienic measures on the slaughter line to avoid contamination of the meat¹.

Materials and methods

The Halal standard approved by the Institute for Standardization of Bosnia and Herzegovina is applied as such in the certification. In this part, certain documents are given that prove the implementation in Dolar Company d.o.o. The following picture shows an extract from the HALAL rules of procedure.

POSLOVNIK O HALAL KVALITETI

USKLAĐENO SA: HALAL STANDARDOM BAS 1049:2010, HrACCP SISTEMOM I PRAVILNIKOM O AUDITU ZA HALAL KVALITETU

Picture 1. The part of Halal Manual

As the most important document for the process slaughtering of cattle is procedure for slaughtering and the next pictures show the part of that procedure.

- Altka za klanje mora biti oštra i ne smije se dizati sa životinje dok se čin klanja ne završi, a to znači dok se ne presječe dušnik, jednjak, te glavne arterije i vene vratne regije,
- Klanje se vrši s prednje strane vrata bez presjecanja kičmene moždine,
- Nijedan dio se ne smije otklanajti prije završetka klanja,
- Krv se mora dobro iscijediti,
- Potrebno je obezbijediti određene higijenske mjere da ne bi došlo do kontaminacije mesa.

Klanje se vrši ručno u visećem položaju oštrim nožem uz izgovaranje riječi Bismillah, Allahu Ekber. Rezanje vratnih žila mora uslijediti unutar 20 sekundi od podizanja životinje, a zarezane moraju biti obje karotide. U slučaju kvara i zastoja linije, radnik je dužan čim prije životinju ručno zaklati u što kraćem roku.

5.3. Okretanja prema Kibli

Postupak koji je propisan ali neobavezujući a ukoliko ga izostavimo postupak klanja ima valjanu ispravnost.

5.4. Sam čin klanja mora izvršiti musliman

Onaj koji vrši klanje mora biti:

- musliman koji praktikuje islam,
- punoljetan,
- fizički zdrav.
- mentalno sposoban,
- obučen za ovakvu vrstu posla;

5.5. Oštrina sječiva

Nož kojim se vrši klanje mora da bude izuzetno oštar, jer tupim nožem nije dozvoljeno vršiti šerijatsko klanje.

5.6. Izgovaranje Bismillah, Allahu ekber

Ispravnost halal klanja je uslovljena izgovaranjem Bismillah, Allahu ekber.

Picture 2. Description of process of slaughtering

The most importan document in HALAL implementation is the plan for the monitoring of crtical haram points and the following picture is

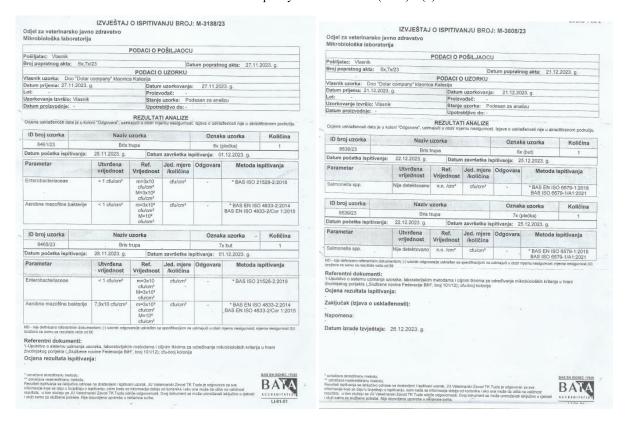
the presentation of HrCCP plan in slaughtering in Dolar Company d.o.o.

HrKKT	Procesni korak	rocesni korak Kritična NADZOR NAD HARAM KRITIČNIM KONTROLNIM vrijednost/ TAČKAMA						Popravne (korektivne)	Odgovoran	Zapis	Verifika
		Ciljana vrijednost	Šta	Ко	Kako	Učestalost	Gdje	radnje			
HrKKT – 1	Klanje	Klanje mora	Pravilno	Poslovo	Prije	Svako	U	U slučaju da	Poslovođa	Evidencija	Svaki
		biti takvo da	obaranje	đa	početka	klanje,	klaonici	klanje nije	klaonice	preuzete	pos
Hr –		ne muči stoku	stoke	klaonic	klanja			pripremljeno i		stoke na	završ
KRITIČNA				e	podešava			obavljeno		liniji	smj€
KONTROL					se i obara			kako treba		primarne	veteri
NA TAČKA					stoka			onda se takvo		tehnološke	inspe
					kako bi se			meso ne		obrade,	poslo
					izvršilo			može		VETERINARS	klao
					HALAL			smatrati		KI OBRASCI.	pregle
					klanje			HALAL			obra
								mesom			evide
											ovjerav
											svo
											potpi

Picture 3. HrCCP plan

As very important part of process of HALAL implementation is the analyses which show the hygienic activates as part of HALAL system e.g. and those has to be done in laboratory which has the accreditation for ISO 17025, standard for

management of quality in laboratories. The following pictures show the reports form accredited laboratory.



Picture 4. Results about performing of activities defined by HALAL standard in Dolar Company d.o.o.

Dscussion

The discussion on the application of HALAL standards in the slaughter of large livestock includes a number of key aspects that require careful consideration. One of these aspects is ethical factors. Many people consider the issue of ethics to be central to the debate on halal slaughter. There are different views on whether the halal method of slaughter is a humane method. Some argue that the quick characteristic of halal slaughter reduces the animal's suffering, while others dispute this view, arguing that it can lead to stress and suffering. This dilemma raises important questions about moral responsibility towards animals and the need for a balanced approach that takes into account both animal welfare and religious obligations.

Religious aspects also play a key role in this discussion. Halal slaughter is based on Islamic principles that prescribe certain procedures for killing animals for food. This includes saying Bismillah (in the name of Allah) before slaughter and using sharp knives to ensure quick and

efficient slaughter. The discussion could focus on the interpretation of Islamic regulations on slaughter and how they apply in a modern context. It is important to consider how religious norms shape the practice of slaughter, but also how they can be reconciled with modern animal welfare standards and ethical principles.

Legal and regulatory aspects play a key role in ensuring fairness and compliance in the slaughter industry. In many countries there are regulations that regulate halal slaughter to ensure that animals are killed by humane methods. These regulations may vary across countries and jurisdictions. The question could be how these regulations affect the practice of halal slaughter and how they are implemented. Clear legal regulation is essential to ensure that slaughter is performed in a manner that respects both religious and ethical standards. The economic impact of the halal food and slaughter industry is also an important aspect. The halal industry is becoming increasingly important globally, which has a significant economic impact. The discussion could include issues such as the economic benefits of the halal industry, market demands and challenges, and the

potential economic consequences of halal slaughter regulations. Understanding the economic dynamics of the industry can help shape policies and strategies that support sustainability and prosperity in this area.

Technological advances also have a significant impact on the practice of halal slaughter. The development of robotics and technologies that enable automated slaughtering can change the way slaughtering is carried out and how halal standards are adhered to. Discussion could focus on how these technological advances affect the practice of halal slaughter and how they can be reconciled with religious and ethical principles. It is important to ensure that technological progress supports humane and religious values and does not undermine animal welfare.

In addition to the above aspects, advances in surveillance anesthesia. and monitoring, alternative slaughter methods, genetic engineering and sustainable food production are also important factors that should be taken into account in this discussion. Overall, it is important to ensure that different perspectives and views are taken into account in order to achieve a comprehensive and informative dialogue on the application of HALAL standards in livestock slaughtering.

Conclusion

The implementation of the HALAL standard at Dolar Company d.o.o. has been shown to be comprehensive and effective, ensuring compliance with BAS 1049:2023. The detailed procedures, documentation, and hygienic analyses confirm that the company meets the necessary standards to provide Halal meat products. The discussion highlights the ethical, religious, legal, and economic implications of HALAL practices, emphasizing the importance of balancing animal welfare with religious obligations. Furthermore. technological advancements present both opportunities and challenges for the future of HALAL slaughter. Overall, the successful implementation at Dolar Company d.o.o. serves as a model for other organizations in the meat industry seeking to adopt HALAL standards.

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PRIMJENA HALAL STANDARDA U DOLAR COMPANY D.O.O. KALESIJA

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SAŽETAK

Primjena HALAL standarda u procesu klanja krupne stoke osigurava da meso i mesni proizvodi budu u skladu sa zahtjevima definiranim u BAS 1049:2023. Glavni cilj implementacije HALAL-a je pružiti potrošačima povjerenje da je meso koje konzumiraju u skladu s njihovom religijom, uvjerenjima i praksama. Uz metode klanja, halal certificiranje u mesnoj industriji također pokriva aspekte kao što su izvor sastojaka, skladištenje i transport kako bi se spriječila kontaminacija ne-halal tvarima. Ovaj rad ima za cilj prikazati proces implementacije HALAL standarda u klanju krupne stoke u Dolar Company d.o.o. Kalesija. Definiranju kritičnih kontrolnih haram tačaka posvećuje se posebna pažnja, jer hrana za stoku može biti osnovni razlog kontaminacije halal proizvoda. Također je važno spomenuti primjenjivost zakonske legislative sa zahtjevima HALAL standarda definiranim u BAS 1049:2023.

Ključne riječi, HALAL standard, mesna industrija, haram

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