

Accepted Manuscript

Title: Annual variation in the composition of major nutrients of the common starfish (*Asterias Rubens*)

Authors: Marleen Elise van der Heide, Lene Friis Møller, Jens Kjerulf Petersen, Jan Værum Nørgaard



PII: S0377-8401(17)31469-4
DOI: <https://doi.org/10.1016/j.anifeedsci.2018.02.007>
Reference: ANIFEE 13947

To appear in: *Animal Feed Science and Technology*

Received date: 17-11-2017
Revised date: 8-2-2018
Accepted date: 9-2-2018

Please cite this article as: van der Heide, Marleen Elise, Møller, Lene Friis, Petersen, Jens Kjerulf, Nørgaard, Jan Værum, Annual variation in the composition of major nutrients of the common starfish (*Asterias Rubens*). *Animal Feed Science and Technology* <https://doi.org/10.1016/j.anifeedsci.2018.02.007>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Annual variation in the composition of major nutrients of the common starfish (*Asterias Rubens*)

Marleen Elise van der Heide^a, Lene Friis Møller^b, Jens Kjerulf Petersen^b, Jan Værum Nørgaard^{a*}

^a Department of Animal Science, Aarhus University, Foulum, DK-8830 Tjele, Denmark.

^b Danish Shellfish Centre, National Institute of Aquatic Resources, Danish Technical University, DK-7900 Nykøbing Mors, Denmark.

* Corresponding author at: Aarhus University, Blichers Alle 20, DK-8830 Tjele, Denmark. E-mail address: janvnoergaard@anis.au.dk (J.V. Nørgaard)

Highlights:

- Nutrient composition of starfish changes during the year.
- Starfish caught from February to May had highest crude protein and lowest ash.
- Fat content did not show a clear seasonal variation.
- Small starfish had the poorest nutrient composition.
- The geographical locations did not significantly affect the nutrient composition.

ABSTRACT

To study the annual variation in the composition of nutrients relevant to pig and poultry feeding, monthly samples of starfish (*Asterias Rubens*) were taken in Denmark. The effect of

Download English Version:

<https://daneshyari.com/en/article/8491001>

Download Persian Version:

<https://daneshyari.com/article/8491001>

[Daneshyari.com](https://daneshyari.com)