

# Risiko Ancaman Akidah dalam Isu Penciptaan Sel Gamet Manusia

## Faith Threatening Risks in Human Gamete Cell Production

Siti Syairah, M.M. (Pengarang Penghubung)  
Faculty of Pharmacy, Universiti Teknologi MARA (UiTM) Kampus Puncak Alam,  
42300, Bandar Puncak Alam, Selangor, Malaysia  
Tel: +603-32584721 E-mel: syairah@salam.uitm.edu.my

Ruzianisra, M.  
Faculty of Pharmacy, Universiti Teknologi MARA (UiTM) Kampus Puncak Alam,  
42300, Bandar Puncak Alam, Selangor, Malaysia  
Tel: +603-32584741 E-mel: ruzianisra@salam.uitm.edu.my

### Abstrak

Pembentukan sel gamet adalah satu proses semulajadi yang berlaku secara alami. Sel gamet dihasilkan melalui proses spesifik yang diistilahkan sebagai *gametogenesis*. *Gametogenesis* merujuk kepada proses penghasilan kedua-dua sel gamet lelaki dan perempuan. Sel sperma manusia terhasil melalui proses yang dinamakan *spermatogenesis*, manakala sel ovum pula terhasil daripada satu proses khusus dipanggil *oogenesis*. Walaupun pada asasnya kewujudan sel-sel gamet ini adalah melalui proses fisiologi normal, namun dengan perkembangan teknologi yang semakin berkembang terutamanya dalam bidang sains perubatan, kini telah wujud beberapa penemuan yang membolehkan sel sperma dan sel ovum ‘dicipta’ di dalam makmal bagi tujuan perubatan dan juga untuk kajian saintifik. Penemuan yang agak mengejutkan ini sebenarnya telah mencetuskan perdebatan hebat di kalangan para pengkaji ilmu. Percanggahan pendapat yang bersandarkan kepada pegangan agama, nilai serta etika kemanusiaan yang berbeza telah mengundang pelbagai reaksi berhubung perkara ini. Artikel ini akan mengupas lebih lanjut mengenai isu-isu permasalahan dan penerimaan teknologi ini berdasarkan kepada penerimaan dari sudut syarak dan akidah Islam.

**Katakunci:** Sperma; Ovum; *Gametogenesis*; Kesihatan; Syarak

### Abstract

Gamete production is a naturally occurring process. Gametes are produced through specific process termed gametogenesis. Gametogenesis refers to both the production of male and female gametes. Human sperm cells derived from a process called spermatogenesis, meanwhile ovum cells are produced through a process named oogenesis. Even the production of both gamete cells are basically from normal physiological events, but with the advancement in current technology especially in the field of medical science has enable some discoveries on the possibility to ‘create’ both sperm and ovum cells in the laboratories for medical and research purpose. Thus, this eye-opening finding has opened up a huge debate with vast disagreements aroused from the diversity in the religious belief, values in life and ethics of humanity among scholars. This article, in discussion further detail with regards to the consent and views from the aspect of syariah and Islamic faith.

**Keywords:** Sperm; Ovum; Gametogenesis; Health; Syariah

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