

**BAB 5****KESIMPULAN**

Program pengawasan global AS melahirkan perdebatan mengenai etika terkait bagaimana sebuah upaya pengawasan seharusnya dilakukan. Teknologi internet telah mentransformasi peradaban masyarakat global di abad ke-21 dimana aspek sosial politik dan ekonomi diuntungkan, namun internet juga membuka dimensi baru bagi tindak kriminalitas. AS sebagai negara pemimpin di era informasi dihadapkan kepada berbagai ancaman nyata yang mampu mengganggu upaya pemeliharaan keamanan nasional dan menghancurkan perekonomian dimana industri teknologi dan internet kini berperan sebagai tulang punggung perekonomian AS. Aksi pencurian Hak Kekayaan Intelektual (*HaKI*) berpotensi menenggelamkan daya saing industri teknologi dan internet AS karena sektor ini sangat bergantung kepada inovasi yang berasal dari riset dan pengembangan yang biayanya jauh lebih tinggi bila dibandingkan dengan biaya memproduksi sebuah produk. Internet diawal pengembangannya tidak menitik beratkan kepada aspek keamanan karena dikembangkan sebagai protokol yang dapat menghubungkan antara satu komputer dengan komputer lainnya. Metode pencurian *HaKI* sebagai contohnya dilakukan dengan memanfaatkan kelemahan sebuah sistem yang kemudian dieksplorasi oleh peretas agar dapat memiliki akses terhadap sistem tersebut.

Dalam aspek perlindungan individu, internet telah membuka dimensi baru bagi aksi kriminalitas seperti pendistribusian material pornografi anak dibawah umur dan perdagangan Narkoba yang melalui pemanfaatan teknologi seperti *Tor* dan *Bitcoin* seolah memberikan perlindungan tambahan bagi para pelakunya. Aktifitas perdagangan Narkoba yang dilakukan *Silk Road* diestimasikan bernilai USD 1.2 milyar, dan membutuhkan 2.5 tahun kerja komunitas intelejen sebelum akhirnya berhasil mengungkap aktor dibalik situs *dark web* ini. Dalam aspek pemeliharaan keamanan nasional, penggunaan internet telah memudahkan kelompok-kelompok teroris internasional dan kelompok ekstrimis domestik AS untuk membuat sebuah *hub* yang melalui pemanfaatan teknologi dapat secara efektif digunakan untuk menggalang dana, meyebarluaskan propaganda teror dan merancang aksi kejahatan. Dari kedua hal diatas, pemerintah AS menjalankan strategi yang bersifat defensif dan juga ofensif, namun dalam realita strategi ofensif lebih menjadi fokus pemerintah. Lahirnya program-program pengawasan global dan pengembangan virus komputer merupakan beberapa bukti nyata pengimplementasian strategi ofensif pemerintah AS.

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